

**EPA Reg. No. 264-992**  
**Vol. 1**



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 264-992	2. EPA Product Manager J. Edwards <i>Hebert</i>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) STORCIDE II Grain, Bin and Warehouse Insecticide	PM# Notifications	
5. Name and Address of Applicant (Include ZIP Code) Bayer CropScience 2 T.W. Alexander Drive Research Triangle Park, NC 27709  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

JAN - 9 2006

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to add required sentence for DIRECTIONS FOR USE. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.  
Add "For any requirements specific to your State or Tribe, consult the agency in your State responsible for pesticide registration," per letter from State of Idaho Division of Agricultural Resources letter of 11/21/05.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Dennis McFadden	Title Reg. Mgr.-Seed Treatment Products	Telephone No. (Include Area Code) 919-549-2427
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamp)  SIG
2. Signature <i>Dennis McFadden</i>	3. Title Reg. Mgr.-Seed Treatment Products	
4. Typed Name Dennis McFadden	5. Date 12/12/05	

# STORCIDE™ II Grain, Bin and Warehouse

NOTIFICATION

JAN - 9 2006

## Insecticide

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.

This product contains aromatic hydrocarbon solvents.

### ACTIVE INGREDIENTS:

Chlorpyrifos-methyl: 0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl)phosphorothioate..... 21.60%

Deltamethrin..... 3.70%

INERT INGREDIENTS: ..... 74.70%

TOTAL 100.00%

EPA Reg. No. 264-992

EPA Est.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

### FIRST AID

<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate – vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.	
In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.	

### PRECAUTIONARY STATEMENTS

**DANGER PELIGRO**

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive. Causes irreversible eye damage. Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and impervious gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

**Mixers, Loaders, Applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow

manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROLS:**

Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

### **USER SAFETY RECOMMENDATIONS**

**Users and persons in treated areas should:** Avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS**

STORCIDE II insecticide is extremely toxic to fish and toxic to birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds are hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE II insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

### **PHYSICAL OR CHEMICAL HAZARDS**

Combustible – Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

### **DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency in your State responsible for pesticide registration. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal.

#### **PRODUCT STORAGE**

Store in a cool, dry location. Do not store in direct sunlight.

#### **PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the EPA Regional Office for guidance.

#### **CONTAINER DISPOSAL**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

### **PRODUCT INFORMATION**

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum

\*Fumigate with EPA-registered fumigant according to manufacturer's label recommendations

\*\*This concentration equals 0.3% of chlorpyrifos-methyl and 0.05% of deltamethrin.



results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

STORCIDE II insecticide may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels. Seed treated with STORCIDE II insecticide alone is considered grain.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl.oz. of STORCIDE II insecticide with water to make a 1 gal. solution.\*\* Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE II with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin.

STORCIDE II PER 1000 BUSHELS			
GRAIN	fl. oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl. oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

## USE PRECAUTION

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

## **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, disclaimer of Warranties and Limitations of Liability.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** BAYER CROPSCIENCE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

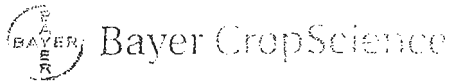
**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

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Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

## **NET CONTENTS:**

STORCIDE II is a trademark of Bayer



**Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
1-866-99BAYER (1-866-992-2937)**

STORCIDE II Grain, Bin and Warehouse Insecticide (MASTER) Approved 07/05/05, Notification 12/08/05

*Changes circled*

# STORCIDE™ II Grain, Bin and Warehouse Insecticide

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.  
This product contains aromatic hydrocarbon solvents.

## ACTIVE INGREDIENTS:

Chlorpyrifos-methyl: 0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl)phosphorothioate..... 21.60%  
Deltamethrin ..... 3.70%

INERT INGREDIENTS: ..... 74.70%  
TOTAL 100.00%

EPA Reg. No. 264-992

EPA Est.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**

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## FIRST AID

### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

### IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Contains petroleum distillate – vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577.  
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**Mixers, Loaders, Applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow

results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

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Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl. oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
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**DISCLAIMER OF WARRANTIES:** BAYER CROPSCIENCE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

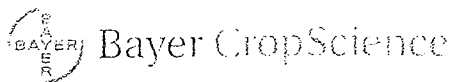
**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

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**1-866-99BAYER (1-866-992-2937)**

STORCIDE II Grain, Bin and Warehouse Insecticide (MASTER) Approved 07/05/05, Notification 12/08/05

Bayer CropScience



December 12, 2005

Joyce Edwards, Notifications  
Office of Pesticide Programs  
Document Processing Desk(NOTIF)  
Room 266A, Crystal Mall 2  
1801 S. Bell St.  
Arlington, VA 22202

Subject:STORCIDE II Grain, Bin and Warehouse Insecticide, 264-992

Dear Ms. Edwards,

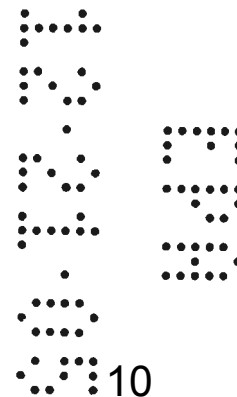
Notification to add required sentence for DIRECTIONS FOR USE. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Add, "For any requirements specific to your state or Tribe, consult the agency in your State responsible for pesticide registration." As required by the State of Idaho, Department of Agricultural Resources by 11/21/05 letter.

Sincerely,

Dennis McFadden

Reg. Mgr.-Seed Treatment Products



February 7, 2005

Ms. Sherada Hobgood, Minor Formulation Amendment Coordinator  
Office of Pesticide Programs  
Document Processing Desk  
1801 S. Bell St.  
Arlington, VA 22202

Subject: STORCIDE II Grain, Bin, and Warehouse Insecticide

Dear Ms. Hobgood,

Gustafson LLC is submitting a notification for an alternate CSF. The only change from the CSF approved by the EPA on January 24, 2005 is another producing establishment in box 2.

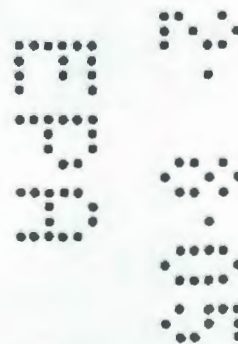
Sincerely,

*Dennis McFadden*

Dennis McFadden

Manger, Toxicology and Regulatory Affairs

*Check for establishment Number  
of producer in Box 2 of  
CSF.*







Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

 <b>United States</b> <b>Environmental Protection Agency</b> Washington, DC 20460		<div style="display: inline-block; border: 1px solid black; padding: 2px; margin: 2px;"><input type="checkbox"/> Registration</div> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin: 2px;"><input type="checkbox"/> Amendment</div> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin: 2px;"><input checked="" type="checkbox"/> Other</div>	OPP Identifier Number
<b>Application for Pesticide - Section I</b>			
1. Company/Product Number 7501-202		2. EPA Product Manager S. Hobgood	
4. Company/Product (Name) STORCIDE II Grain, bin, And Warehouse Insecticide		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (Include ZIP Code) Gustafson LLC 1400 Preston Road, Suite 400 Plano, Texas 75093  <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____	
<b>Section - II</b>			
<input type="checkbox"/> Amendment - Explain below.		<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	
<input type="checkbox"/> Resubmission in response to Agency letter dated _____		<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.		<input type="checkbox"/> Other - Explain below.	
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Only change is another producing establishment in Box 2. <i>Alternate CSF dated 2/7/05</i>		NOTIFICATION FEB 2 - 2005  <i>Dennis McFadden</i>	
<b>Section - III</b>			
1. Material This Product Will Be Packaged In:		2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container	
3. Location of Net Contents Information Label <input type="checkbox"/> Container <input type="checkbox"/>		4. Size(s) Retail Container	
5. Location of Label Directions		6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	
<b>Section - IV</b>			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Dennis McFadden		Title Mgr. Tox. & Reg. Affairs	
Telephone No. (Include Area Code) 972-985-8877			
2. Signature <i>Dennis McFadden</i>		3. Title Mgr. Tox. & Reg. Affairs	
4. Typed Name Dennis McFadden		5. Date 2/7/2005	
6. Date Application Received (Stamped)			





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

May 9, 2005

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MS. KAREN SHEARER  
BAYER CROPSCIENCE LP  
2 T.W. ALEXANDER DRIVE  
RESEARCH TRIANGLE PARK, NC 27709

Dear Ms. Shearer:

Subject: Transfer of Pesticide Registrations From Company Number 7501 to  
Company Number 264

Pursuant to your request in your letter and transfer agreement of March 8, 2005, we have approved the transfer of the following registrations from **GUSTAFSON LLC**, company number 7501 to **BAYER CROPSCIENCE LP**, company number 264.

The effective date of these changes is the date of this letter.

<u>Registered Products</u>	<u>Old EPA Reg. No.</u>	<u>New EPA Reg. No.</u>
GUSTAFSON CAPTAN 30-DD	7501-9	264-928
GUSTAFSON 42-S THIRAM FUNGICIDE	7501-14	264-929
GUSTAFSON CAPTAN TECHNICAL	7501-24	264-930
GUSTAFSON CAPTAN 400	7501-26	264-931
GUSTAFSON LORSBAN 30 FLOWABLE	7501-31	264-932
GUSTAFSON TOPS 2.5D	7501-32	264-933
GUSTAFSON RELDAN 4E INSECTICIDE	7501-41	264-934
GUSTAFSON ALLEGIANCE-FL SEED TREATMENT FUNGICIDE	7501-42	264-935
GUSTAFSON TERRACLOR 80% DUST CONCENTRATE	7501-45	264-936



GUSTAFSON TERRA-COAT LT-2N	7501-55	264-937
RTU-PCNB SEED PROTECTANT	7501-70	264-938
GUSTAFSON RTU-BAYTAN-THIRAM FUNGICIDE	7501-80	264-939
GUSTAFSON VITAVAX-PCNB FLOWABLE FUNGICIDE	7501-87	264-940
GUSTAFSON BAYTAN 30 FUNGICIDE	7501-91	264-941
GUSTAFSON THIRAM 50WP	7501-105	264-942
GUSTAFSON RTU-VITAVAX-THIRAM SEED PROTECTANT FUNGICIDE	7501-114	264-943
GUSTAFSON APRON - TERRACLOR DUST SEED TREATMENT	7501-126	264-944
GUSTAFSON FLO-PRO IMZ FLOWABLE	7501-127	264-945
GUSTAFSON RIVAL FLOWABLE SYSTEMIC FUNGICIDE	7501-131	264-946
GUSTAFSON VITAFLO 280 FLOWABLE FUNGICIDE	7501-133	264-947
GUSTAFSON LSP FLOWABLE FUNGICIDE	7501-134	264-948
GUSTAFSON VITAVAX PC PEANUT SEED TREATMENT FUNGICIDE	7501-139	264-949
TERRA-COAT WP	7501-143	264-950
KODIAK CONCENTRATE BIOLOGICAL FUNGICIDE	7501-144	264-951
KODIAK HB BIOLOGICAL FUNGICIDE	7501-146	264-952
KODIAK A-T FUNGICIDE	7501-148	264-953
TOPS 5 POTATO SEED-PIECE TREATMENT	7501-149	264-954
RAXIL THIRAM FLOWABLE FUNGICIDE	7501-151	264-955
GUSTAFSON ALLEGIANCE-LS FUNGICIDE	7501-154	264-956



GAUCHO 480 FLOWABLE	7501-155	264-957
TOPS MZ POTATO SEED-PIECE TREATMENT FUNGICIDE	7501-157	264-958
GAUCHO 75 ST INSECTICIDE	7501-159	264-959
TRIGRAN-S SEED PROTECTOR	7501-160	264-960
RAXIL 0.26FS SEED TREATMENT FUNGICIDE	7501-161	264-961
GAUCHO 480 FS FLOWABLE	7501-163	264-962
GAUCHO 75ST FS INSECTICIDE	7501-164	264-963
RAXIL 2.6F SEED TREATMENT FUNGICIDE	7501-168	264-964
BUSAN 30A	7501-169	264-965
RAXIL XT WETTABLE POWDER FUNGICIDE	7501-171	264-966
RAXIL ALLEGIANCE MD FUNGICIDE	7501-172	264-967
GAUCHO 600 FLOWABLE	7501-173	264-968
GUSTAFSON ALLEGIANCE 50WP	7501-174	264-969
KODIAK FLOWABLE BIOLOGICAL FUNGICIDE	7501-175	264-970
GAUCHO XT FLOWABLE	7501-176	264-971
MZ-CURZATE POTATO SEED-PIECE TREATMENT	7501-177	264-972
EVOLVE POTATO SEED PIECE TREATMENT FUNGICIDE	7501-178	264-973
GUSTAFSON AG-STREPTOMYCIN	7501-179	264-974
PROTEGE 70WP FUNGICIDE	7501-180	264-975
RAXIL MD EXTRA FUNGICIDE	7501-182	264-976
TOPS-MZ-GAUCHO POTATO SEED-PIECE TREATMENT	7501-183	264-977



GAUCHO-MZ POTATO SEED-PIECE TREATMENT	7501-184	264-978
PROTEGE-ALLEGIANCE WP FUNGICIDE	7501-185	264-979
PROTEGE ALLEGIANCE BAYTAN W.P. FUNGICIDE	7501-186	264-980
GAUCHO CS FLOWABLE	7501-187	264-981
PROTEGE-FL SEED APPLIED FUNGICIDE	7501-188	264-982
COTGUARD	7501-189	264-983
TITAN FL	7501-190	264-984
GB34 CONCENTRATE BIOLOGICAL FUNGICIDE	7501-191	264-985
GB34 TECHNICAL BIOLOGICAL FUNGICIDE	7501-192	264-986
RIVAL PAK	7501-193	264-987
VORTEX	7501-195	264-988
TRIFLOXYSTROBIN FLOWABLE FUNGICIDE	7501-199	264-989
TOPS 30 FLOWABLE FUNGICIDE	7501-200	264-990
SOYGARD L WITH PROTEGE	7501-201	264-991
STORCIDE II GRAIN, BIN AND WAREHOUSE INSECTICIDE	7501-202	264-992
SECURE DRY INSECTICIDE	7501-203	264-993
SECURE II LIQUID STORED GRAIN INSECTICIDE	7501-206	264-994
SECURE LIQUID STORED GAIN INSECTICIDE	7501-207	264-995
RAXIL MD-W SEED TREATMENT	7501-209	264-996
RAXIL MD EXTRA W SEED TREATMENT	7501-210	264-997



You should indicate the new company designation, new EPA Registration Number and new Establishment Number (if it has changed) on the labeling at the next printing which should occur no later than 18 months after the effective date of this transfer. After 18 months, any product released for shipment must bear the new Registration Number and Establishment Number. If you intend to use the labels which currently appear on the transferor's product after the effective date of the transfer, but within the 18 month grace period, you must maintain complete and accurate records which identify by batch number, lot number, or other suitable description the quantities of such product bearing the transferor's label. Each container or package bearing the transferor's label which is released after the effective date of product registration transfer, must be clearly and accurately marked with the batch number, lot number or other descriptive designation used to identify the product in your records.

Supplemental distribution agreements of registered products do not transfer with the Section 3 registration. It is your responsibility as the registrant to notify any and all supplemental distributors of the transferred product(s) of this transfer agreement. If you wish to enter into supplemental distribution agreements of your product(s) under this new registration, the form "Notice of Supplemental Distribution of a Registered Pesticide Product," EPA Form 8570-5, must be submitted to the Agency for each supplemental distributorship.

You are required to contact your local EPA Regional Office to determine what effect this transfer of pesticide registrations has on the pesticide production establishment registration.

It will not be necessary to submit labeling for review if the only changes are in the company designation and the EPA Registration Number. Other changes in the product and/or labeling may require EPA review and approval prior to initiation. In any correspondence on these products always refer to the U.S. EPA Registration Number listed above.

The transferred registration will have the same status under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, 7 USC 136 et seq., as it had prior to the approval of this transfer.

When registrations are transferred from one company to a second company, all restrictions, data requirements, conditions (suspensions), and deadlines existing on the registrations are transferred with the registrations. The new company is responsible for adhering to or complying with all such restrictions, etc. on the acquired products.

In regard to deadlines, the transferee company is responsible for submitting all required data according to the schedules already established for the acquired products. Failure to do so will result in the issuance of a Notice of Intent to Suspend. Requests from transferee companies for additional time to submit, because they acquired the registration(s) after the 3(c)(2)(B) request was issued will not be granted. If a transferee company has other valid reasons for delays in the testing which were clearly outside of their control, then such requests for time extensions will be considered in accordance with the established procedures. Transfers occurring while a 3(c)(2)(B) request is being issued or during the 90-day response time are subject to the same conditions expressed above.

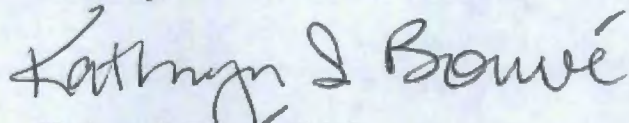


Registration is in no way to be construed as an endorsement or approval of these products by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with FIFRA.

Furthermore, the transfer of the subject registrations is approved under the condition that the annual maintenance fee obligation has been fully satisfied. The marginal maintenance fee is determined based solely on the total number of active section 3 and section 24(c) registrations held by the transferor. If the annual maintenance fee has not been fully satisfied, the transferee and transferor will be notified to comply within a specified time period or the affected registrations may be canceled.

By copy of this letter we are informing the transferor of these changes. If you have any questions about this transfer approval please contact Evelyn Alston at (703) 305-5058.

Sincerely,

A handwritten signature in dark ink, appearing to read "Kathryn S. Bouve". The signature is fluid and cursive, with the first name "Kathryn" and last name "Bouve" clearly distinguishable.

Kathryn S. Bouve, Chief  
Information Services Branch  
Information Resources & Services Div. (7504C)

cc: DENNIS MCFADDEN  
GUSTAFSON LLC  
PO Box 660065  
DALLAS, TX 75266



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

January 24, 2005

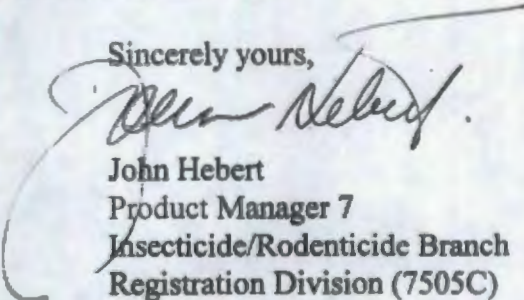
Mr. Dennis McFadden  
Gustafson LLC  
1400 Preston Road, Suite 400  
Plano, Texas 75093

Dear Mr. McFadden:

Subject: Alternate Confidential Statement of Formula (CSF) for Storcide II, Bin, and  
Warehouse Insecticide (Chlorpyrifos)  
EPA Reg. No. 7501-202  
Your Submission Dated December 8, 2004

The Agency has accepted your alternate confidential statement of formula (CSF) submitted for EPA Reg. No. 7501-202 dated December 7, 2004. If you have any questions regarding this particular issue, please contact Ann Hanger at (703) 306-0395 or [hanger.ann@epa.gov](mailto:hanger.ann@epa.gov). For all other issues please continue to contact Akiva Abramovitch.

Sincerely yours,

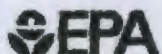
  
John Hebert  
Product Manager 7  
Insecticide/Rodenticide Branch  
Registration Division (7505C)





Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 7501-202	2. EPA Product Manager A. Abramovitch	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) STORCIDE II Grain, Bin and Warehouse Insecticide	PMS INS-ROD Br.	
5. Name and Address of Applicant (Include ZIP Code) Gustafson LLC 1400 Preston Road, Suite 400 Plano, Texas 75093 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submitting an alternate CSF. See cover letter.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
* Certification must be submitted				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Dennis McFadden		Title Mgr. Tox. & Reg. Affairs		Telephone No. (Include Area Code) 972-985-8877	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped) ..... ..... ..... ..... .....
2. Signature <i>Dennis McFadden</i>		3. Title Mgr. Tox. & Reg. Affairs			
4. Typed Name Dennis McFadden		5. Date 12/8/04			





United States  
Environmental Protection Agency  
Washington, DC 20460  
**Formulator's Exemption Statement**  
(40 CFR 152.85)

Applicant's Name and Address  Gustafson LLC 1400 Preston Road, Suite 400 Plano, Texas 75093	EPA File Symbol/Registration Number 7501-202
	Product Name <i>STORCIDE II Grain, Bin, and Warehouse Insecticide</i>
	Date of Confidential Statement of Formula (EPA Form 8570-4) 12/07/2005

As an authorized representative of the applicant for registration of the product identified above, I certify that:

- (1) This product contains the following active ingredient(s):

Deltamethrin  
Chlorpyrifos-methyl

- (2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).

- (3) Indicate by checking (A) or (B) below which paragraph applies:

- ☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

- ☐ (B) The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.

- (4) The following active ingredients in this product qualify for the formulator's exemption.

Source		
Active Ingredient	Product Name	Registration Number
Deltamethrin		
Chlorpyrifos-methyl		
Signature <i>Dennis McFadden</i>	Name and Title Dennis McFadden <i>Mgr. Tox &amp; Reg. Affairs</i>	Date 01/19/2005

EPA Form 8570-27 (Rev. 06-2004)

Copy 1 - EPA  
Copy 2 - Applicant copy

\*Product ingredient source information may be entitled to confidential treatment\*





Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

<b>United States</b> <b>Environmental Protection Agency</b> Washington, DC 20460		<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number  
<b>Application for Pesticide - Section I</b>			
1. Company/Product Number 7501-202		2. EPA Product Manager A. Abramovitch	
4. Company/Product (Name) STORCIDE II Grain, Bin and Warehouse Insecticide		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (Include ZIP Code) Gustafson LLC 1400 Preston Rd., Suite 400 Plano, Texas 75093 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	
<b>Section - II</b>			
<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> Notification - Explain below.		<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>10/27/04</u> <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.	
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Submission of final label.			
NOT REVIEWED In Accordance with PR Notice 82-2 Based on Draft Labeling Dated <b>OCT 27 2004</b>			
<b>Section - III</b>			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	
5. Location of Label Directions <input type="checkbox"/>		6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph Paper glued Stenciled <input type="checkbox"/> Other _____	
<b>Section - IV</b>			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Dennis McFadden		Title Mgr. Tox. & Reg. Affairs	
Telephone No. (Include Area Code) 972-985-8877		6. Date Application Received (Stamped)	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			
2. Signature 		3. Title Mgr. Tox. & Reg. Affairs	
4. Typed Name Dennis McFadden		5. Date 11/10/04	



**STORCIDE<sup>TM</sup> II**

OCT 27 2004

**Grain, Bin and Warehouse Insecticide****ACTIVE INGREDIENTS:**

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .21.60%  
Deltamethrin .....3.70%

**INERT INGREDIENTS** .....74.70%

**TOTAL** .....100.00%

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.  
This product contains aromatic hydrocarbon solvents.

EPA Reg. No. 7501- 202

EPA Est.

NET CONTENTS:

**KEEP OUT OF REACH OF CHILDREN****DANGER PELIGRO**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND**  
**DOMESTIC ANIMALS**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive. Causes irreversible eye damage. Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and impervious gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.


**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS:**

Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

Manufactured for:

**Gustafson** 

Gustafson LLC

1400 Preston Rd., Suite 400

Plano, TX 75093

Questions? (972) 985-8877



## STORCIDE II

**USER SAFETY RECOMMENDATIONS:** Users and persons in treated areas should avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

### IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL:

**CHEMTREC: (800) 424-9300 (Toll free – US)**  
**CHEMTREC: (703) 527-3387 (Domestic and International)**

### ENVIRONMENTAL HAZARDS

STORCIDE II insecticide is extremely toxic to fish and toxic to birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds are hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE II insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

### PHYSICAL OR CHEMICAL HAZARDS

**Combustible - Do Not Use or Store Near Heat or Open Flame.**  
**Do Not Cut or Weld Container.**

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.



## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

## PRODUCT INFORMATION

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

STORCIDE II insecticide may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels. Seed treated with STORCIDE II insecticide alone is considered grain.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl. oz. of STORCIDE II insecticide with water to make a 1 gal. solution. Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE II with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied at oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin:

\* Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

\*\* This concentration equals 0.3% of chlorpyrifos-methyl and 0.05% of deltamethrin.



**STORCIDE II**

STORCIDE II PER 1000 BUSHELS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

**USE PRECAUTIONS:**

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

**NOTICE – READ CAREFULLY****CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT**

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

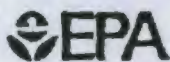
Gustafson (logo) is a Reg. TM of Gustafson LLC, Plano, Texas  
STORCIDE II is a trademark of Gustafson LLC, Plano, Texas





Read instructions on reverse before completing form

Form Approved. OMB No. 2070-0080. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number <b>7501-ENE</b>	2. EPA Product Manager <b>A. Abramovich</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>STORCIDE II Grain, Bin and Warehouse</b>	PM# <b>INS-ROD Br.</b>	
5. Name and Address of Applicant (include ZIP Code) <b>Insecticide</b> <b>Gustafson LLC</b> <b>1400 Preston Rd., Suite 400</b> <b>Plano, TX 75093</b> <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

*Gustafson is submitting a label with revised precautionary working based on the enclosed acute toxicity studies.*

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted	If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name <b>Dennis McFadden</b>		Title <b>Mgr. Tox &amp; Reg Affairs</b>		Telephone No. (Include Area Code) <b>972-785-8877</b>	
2. Signature <b>Dennis McFadden</b>				3. Title <b>Mgr. Tox &amp; Reg Affairs</b>	
4. Typed Name <b>Dennis McFadden</b>				5. Date <b>11/25/03</b>	
6. Date Application Received <b>Stamp</b> 27					



972 985 1696



Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060, Approval expires 2-28-95

	United States Environmental Protection Agency Washington, DC 20460	<input checked="" type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
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## Application for Pesticide - Section I

1. Company/Product Number <b>7501-</b>	2. EPA Product Manager <b>A. Abramavitch</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>STORCIDE II Grain, Bin and Warehouse</b>	PM# <b>INS-ROD Br.</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Insecticide</b> <b>Gustafson LLC</b> <b>1400 Preston Rd., Suite 400</b> <b>Plano, TX 75093</b> <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

## Section - II

<input type="checkbox"/> Amendment - Explain below. <input checked="" type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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Explanation: Use additional page(s) if necessary. (For section I and Section II.)

*Submission of 3 copies of product chemistry study and transmittal document.*

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name <b>Dennis McFadden</b>	Title <b>Mgr. Tox &amp; Reg Affairs</b>	Telephone No. (Include Area Code) <b>972-985-8877</b>	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature <b>Dennis McFadden</b>	3. Title <b>Mgr. Tox &amp; Reg Affairs</b>		
4. Typed Name <b>Dennis McFadden</b>	5. Date <b>6/16/03</b>		





U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

7501-202

Date of

OCT 27 2004

NOTICE OF PESTICIDE:

☒ Registration ☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

STORCIDE II

Name and Address of Registrant (include ZIP Code):

Gustafson LLC.  
1400 Preston Road, Suite 400  
Plano, TX, 75093

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 7501-202".
  - b. Revise "Exposed seeds may be hazardous to birds and other wild life" to " ....are hazardous...." in the Environmental Hazards section
  - c. Report the percentage of inert ingredient to the same decimal point as each one of the active ingredients.
  - d. Expand disposal statement to include category I eye irritation product disposal.
3. Submit three copies of the final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "accepted with comments" is enclosed for your records.

(continued on next page)

Signature of Approving Official:

Akiva Abramovitch, Ph.D.  
Chemist  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Date:

OCT 27 2004



Add to the Disposal Statement "Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the EPA Regional Office for guidance."



# STORCIDE™ II

## Grain, Bin and Warehouse Insecticide

**ACTIVE INGREDIENTS:**

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .21.60%  
 Deltamethrin .....3.70%

**INERT INGREDIENTS** .....74.7%

**TOTAL** .....100.00%

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.  
 This product contains aromatic hydrocarbon solvents.

EPA Reg. No. 7501-  
 EPA Est.

**ACCEPTED**  
**NET CONTENTS**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**OCT 27 2004**

KEEP OUT OF REACH OF CHILDREN

**DANGER PELIGRO**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND  
 DOMESTIC ANIMALS**

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
561-262

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive. Causes irreversible eye damage. Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and impervious gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.


**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

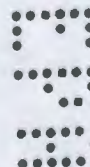
**ENGINEERING CONTROLS:**

Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

Manufactured for:

**Gustafson** 

Gustafson LLC  
 1400 Preston Rd., Suite 400  
 Plano, TX 75093  
 Questions? (972) 985-8877





**USER SAFETY RECOMMENDATIONS:** Users and persons in treated areas should avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

### IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL:

**CHEMTREC: (800) 424-9300 (Toll free – US)**

**CHEMTREC: (703) 527-3387 (Domestic and International)**

### ENVIRONMENTAL HAZARDS

STORCIDE II insecticide is extremely toxic to fish and toxic to birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE II insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

### PHYSICAL OR CHEMICAL HAZARDS

Combustible -Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All



openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

### PRODUCT INFORMATION

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

STORCIDE II insecticide may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels. Seed treated with STORCIDE II insecticide alone is considered grain.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl. oz. of STORCIDE II insecticide with water to make a 1 gal. solution. Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE II with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied at oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin:

\* Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

\*\* This concentration equals 0.3% of chlorpyrifos-methyl and 0.05% of deltamethrin.



STORCIDE II PER 1000 BUSHELS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

#### USE PRECAUTIONS:

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

#### NOTICE – READ CAREFULLY

##### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

Gustafson (logo) is a Reg. TM of Gustafson LLC, Plano, Texas  
STORCIDE II is a trademark of Gustafson LLC, Plano, Texas



# STORCIDE™ II

## Grain, Bin and Warehouse Insecticide

**ACTIVE INGREDIENTS:**

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .21.60%  
 Deltamethrin .....3.70%

**INERT INGREDIENTS** .....74.7%

**TOTAL** .....100.00%

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.

This product contains aromatic hydrocarbon solvents.

EPA Reg. No. 7501-

EPA Est.

**ACCEPTED**  
**NET CONTENTS**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**OCT 27 2004**

KEEP OUT OF REACH OF CHILDREN

**DANGER PELIGRO**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND  
 DOMESTIC ANIMALS**

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.

7501-202

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive. Causes irreversible eye damage. Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and impervious gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.


**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS:**

Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

Manufactured for:

**Gustafson** 

Gustafson LLC

1400 Preston Rd., Suite 400

Plano, TX 75093

Questions? (972) 985-8877



**USER SAFETY RECOMMENDATIONS:** Users and persons in treated areas should avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

### IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL:

**CHEMTREC: (800) 424-9300 (Toll free - US)**

**CHEMTREC: (703) 527-3387 (Domestic and International)**

### ENVIRONMENTAL HAZARDS

STORCIDE II insecticide is extremely toxic to fish and toxic to birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE II insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

### PHYSICAL OR CHEMICAL HAZARDS

Combustible -Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All



openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

### PRODUCT INFORMATION

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

STORCIDE II insecticide may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels. Seed treated with STORCIDE II insecticide alone is considered grain.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl. oz. of STORCIDE II insecticide with water to make a 1 gal. solution. Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE II with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied at oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin:

\* Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

\*\* This concentration equals 0.3% of chlorpyrifos-methyl and 0.05% of deltamethrin.



STORCIDE II PER 1000 BUSHELS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

#### USE PRECAUTIONS:

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

#### NOTICE – READ CAREFULLY

##### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT


Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

Gustafson (logo) is a Reg. TM of Gustafson LLC, Plano, Texas  
STORCIDE II is a trademark of Gustafson LLC, Plano, Texas



**Gustafson** 

November 25, 2003

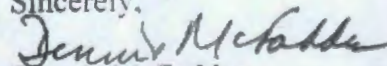
Akiva Abramovitch, Ph. D.  
Document Processing Desk  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Subject: STORCIDE II Grain, Bin and Warehouse Insecticide, 7501-ENE

Dear Dr. Abramovitch,

Gustafson is submitting a label with revised precautionary statements based on the enclosed acute toxicity studies.

Sincerely,

  
Dennis McFadden

Manager, Toxicology and Regulatory Affairs

# TRANSMITTAL BIBLIOGRAPHY

November 25, 2003

SUBMITTER: Gustafson LLC  
1400 Preston Road  
Suite 400  
Plano, Texas 75093

CO. CONTACT: D. L. McFadden

PHONE: 972-985-8877

REFERENCE: Submission of acute toxicity studies for STORCIDE II Grain, Bin and Warehouse Insecticide

PRODUCT: STORCIDE II Grain, Bin and Warehouse Insecticide  
EPA Reg. No. 7501-

MRID#	VOL. NO	G/L REF. NO	TITLE
	1		Administrative material
46140801	2	OPPTS 870.1100	Acute oral toxicity up and down procedure in rats
46140802	3	OPPTS 870.1200	Acute dermal toxicity study in rats- <del>limit test</del>
46140803	4	OPPTS 870.1300	Acute inhalation toxicity study in rats
46140804	5	OPPTS 870.2400	Primary eye irritation study in rabbits
46140805	6	OPPTS 870.2500	Primary skin irritation study in rabbits
46140806	7	OPPTS 870.2600	Dermal sensitization study in guinea pigs (Buehler method)



December 8, 2004

Akiva Abramovitch, Ph.D.  
Office of Pesticide Programs  
Document Processing Desk  
Room 266A, Crystal Mall 2  
1801 S. Bell St.  
Arlington, VA 22202

Subject: STORCIDE II Grain, Bin and Warehouse Insecticide, 7501-202

Dear Dr. Abramovitch,

Gustafson LLC is submitting an amendment for the above named product. Two surfactants have been dropped from the formulation and an additional supplier of active added.

Sincerely,



Dennis McFadden

Manager, Toxicology and Regulatory Affairs



DATE OUT: 06/OCT/2003

SUBJECT: PRODUCT CHEMISTRY REVIEW OF: Manufacturing-Use [ ] End-Use Product [X]  
DP BARCODE #: D293002 EPA RECEIVED DATE: 04/JUN/2003 FILE SYMBOL/REG: 7501-ENE  
PRODUCT NAME: Storage II Grain, Bin and Warehouse Insecticide MRIDs NO. 460048  
COMPANY NAME: Gustafson LLC FOOD USE [X] ACTION CODE: 160 CASE NO: 160  
PPC NUMBER OF THE TGAIs IN THE PRODUCT: 059102 & 097805 DECISION NO.: 330296

FROM: Sami Malak, Chemist *Sami Malak*  
Technical Review Branch/RD (7505C)

*SBM 10/7/03*

TO: 07 John Hebert/Akiva Abramovitch  
Insecticide-Rodenticide Branch/RD (7505C)

**CONCLUSIONS:**

The Insecticide-Rodenticide Branch requested TRB to review subject application as per the regulations of FIFRA sec. 3(c)(3)(b)(i)(I) "me-too" registration with a claim of its similarity to Storicide E.C. Grain, Bin and Warehouse Insecticide, Reg. No. 7501-181. In support of this action, the applicant included product chemistry data, a proposed basic CSF dated 14/MAY/2003, and product's label EPA received 23/MAY/2003.

**FINDINGS:**

- 1a. The subject product is produced by a non integrated formulation system, meaning that the two technical sources in the product are registered. The product contains 21.6% chlorpyrifos-methyl from an end-use product containing 43.2% chlorpyrifos-methyl, Reg. No. 7501-41; plus 3.7% Deltamethrin, [REDACTED]. In a similar situation in the past, OGC was consulted who replied saying there is nothing in the regulations to prohibit formulating using registered end-use products owned by the applicant [refer to Finding #2 by S. Malak, Reg. No. 7501-181, DP #261228, 25/APR/2000; also to 40CFR§158.50 (e)(3) that speaks to formulation with "purchased" end-use products].
- 1b. The subject product, an insecticide, is intended for insect control in grain bins and warehouses.
2. The subject product is not similar to Storicide E.C. Grain, Bin and Warehouse Insecticide, Reg. No. 7501-181. The registered product contains 43.2% chlorpyrifos-methyl plus 15.06% cyfluthrin as opposed to 21.6% chlorpyrifos-methyl plus 3.7% deltamethrin in the pending product. Because of this significant difference in the ingredient statement between the two products, review of subject product was conducted as per the regulations of FIFRA sec. 3(c)(5) or 3(c)(7).
- 3a. The applicant should be advised to submit product chemistry data requirements of GRNs 830.6317 & 830.6320 pertaining to product's storage stability and corrosion characteristics, respectively.
- 3b. Except for the data gaps in Finding 3(a) above, the submitted product chemistry data is adequate and support a FIFRA sec. sec. 3(c)(7) registration of subject product.
4. Adequate analytical methods are available for enforcement. The methods were previously submitted and reviewed in connection with registration of the technical sources chlorpyrifos-methyl, Reg. No. 7501-41 and deltamethrin, [REDACTED].

\*Product ingredient source information may be entitled to confidential treatment\*



An enforcement method was included with this submission, MRID #460048-01. The method, a Reverse Phase Liquid chromatography, is reviewed in this memorandum

5. The label claim nominal concentrations of 21.6% chlorpyrifos-methyl plus 3.7% deltamethrin are consistent with that in the CSF and both are in compliance with the regulations of PR Notice 91-2. Further, the storage and disposal statement and the physical or chemical hazards statement are in compliance with the regulations of 40CFR§156.10.
6. The submitted product's basic CSF dated 14/MAY/2003 was filled out correctly and completely and agree with the label claim nominal concentration as per the regulations of PR Notice 91-2. Further, the upper and lower certified limits are within the standard limits of 40CFR§158.175(b)(2). All ingredients claimed in the CSF are cleared for use in pesticide formulations intended for food uses.

### **CONCLUSIONS:**

1. From the product chemistry view point, the subject product is not similar to Storcide E.C. Grain, Bin and Warehouse Insecticide, Reg. No. 7501-181 (refer to Finding 2 above).
2. Except for the data gaps identified in Finding 3(a) above, the applicant has satisfied the remaining product chemistry data requirements for a conditional registration. Product's label and CSF are acceptable as per Findings 5 & 6 above.
3. At this time, TRB recommends for a conditional registration of subject product as per the regulations of FIFRA sec. sec.3(c)(7) pending resolution of Finding 3(a) above.

### **REVIEW OF PRODUCT CHEMISTRY DATA:**

1. A statement of data confidentiality dated 14/MAY/2003 was included with this submission claiming confidentiality of some of the submitted data the basis of its falling within the scope of FIFRA§10(d)(1)(A), (B), or (C). Review of CBI data is to be found in Confidential Appendix A.
2. A GLP statement dated 14/MAY/2003 was included with this submission to the effect that some of the submitted studies were conducted in compliance with the GLP requirements of 40CFR§160.

### **DATA SUBMITTED**

**Group A, Series 830-Product Identity, Composition, and Analysis (40 CFR 155, 160, 162, 167, 175 & 180)**

#### **830-1550 Product Identity and Composition**

The subject product contains two registered technical grade of active ingredients plus intentionally added inert ingredients cleared for use in pesticide formulations intended for food uses (refer to product's basic CSF dated 14/MAR/2003).

**830-1600 Description of Materials Used to Produce the Product:**  
Refer to Confidential appendix A.



830-1650 Description of Formulation Process:  
Refer to Confidential appendix A.

830-1670 Discussion of Formation of Impurities:  
Refer to Confidential appendix A.

830-1700 Preliminary Analysis:  
Refer to Confidential appendix A.

830-1750 Certified Limits:  
Refer to Confidential appendix A.

830-1800 Enforcement Analytical Method:

Adequate analytical methods are available for enforcement. The methods were previously submitted and reviewed in connection with registration of the technical sources chlorpyrifos-methyl, Reg. No. 7501-41 and deltamethrin, [REDACTED]

An enforcement method was included with this submission, MRID #460048-01. The method, a Reverse Phase Liquid chromatography, was developed and validated for the determination of the active ingredients in Storcide II following the principles outlined in Gustafson LLC SOP 6.28, Revision #4 "Guidelines on Method Validation to be Performed in Support of Analytical Methods."

Method validation data regarding precision, accuracy specificity, linearity, limit of detection, and limit of quantitation are adequate. Sample calculation and chromatograms are included with this submission.



**Group B, Series 830-Physical and Chemical Properties (40 CFR 158.190), MRID #459130-02:**

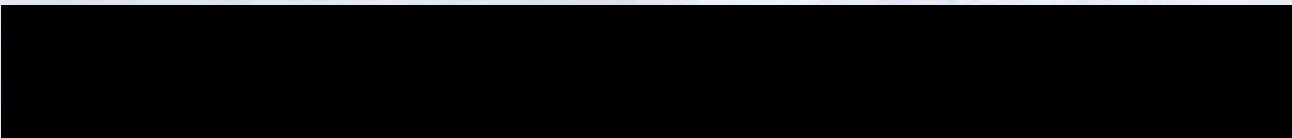
<b>GUIDELINE REFERENCE NO.(GRN 830.)/TITLE</b>	<b>VALUE OR QUALITATIVE DESCRIPTION</b>
.6302 Color	Amber.
.6303 Physical State	Liquid.
.6304 Odor	An odor characteristics of Reldan.
.6314 Oxidation/Reduction: Incompatibility	NA. None of components in the product are known oxidizing ro reducing agents.
.6315 Flammability/Flame Extension	Flash point > 120°F.
.6316 Explodability	NA. Product contains no shock-sensitive materials.
.6317 Storage Stability	Data gap.
.6319 Miscibility	NA. The product is not an emulsifiable concentrate which will be diluted with petroleum distillates
.6320 Corrosion Characteristics	Data gap.
.6321 Dielectric Breakdown Voltage	NA. Not recommended for use around electrical equipment.
.7000 pH	2.54 in 1% solution.
.7100 Viscosity	4.0 centipoise.
.7300 Density/Relative Density Bulk Density	8.349 lbs/gal.

Confidential Appendix A

830-1600 Description of Materials Used to Produce the Product:

The subject product contains two registered technical grade of active ingredients plus intentionally added inert ingredients cleared for use in pesticide formulations intended for food uses (refer to product's basic CSF dated 14/MAY/2003).

830-1650 Description of Formulation Process:



830-1670 Discussion of Formation of Impurities:

The applicant reported no impurities  $\geq 0.1\%$  by weight were known to be formed during formulation and storage of the product.

830-1700 Preliminary Analysis:

NA for this non-integrated product.

830-1750 Certified Limits:

The applicant reported the same ingredients at percentages and upper/lower limits as those reported on product's CSF dated 14/MAY/2003.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

17/MAR/2004

MEMORANDUM

Subject: Name of Pesticide Product: Storicide™ II Grain, Bin and Warehouse Insecticide  
EPA File Symbol: 7501-ENE  
DP Barcode: D297637  
Decision No.: 330296  
PC Code: 059102 Chlorpyrifos-methyl  
097805 Deltamethrin

From: Rick J. Whiting  
Technical Review Branch  
Registration Division (7505C)

*RJW*  
*SCN*

To: Akiva Abramovitch, PM Team 07  
Branch  
Registration Division (7505C)

Applicant: GUSTAFSON LLC  
1400 Preston Road, Suite 400  
Plano, TX 75093

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
059102 Chlorpyrifos-methyl	21.60%
097805 Deltamethrin	3.70%

<u>Inert Ingredient(s):</u>	<u>100.0%</u>
Total:	100.0%

This product contains aromatic hydrocarbon solvents.



**ACTION REQUESTED:**

The Product Manager requests: "Please review tox of new product."

**BACKGROUND:** GUSTAFSON LLC has submitted a six pack of acute toxicity studies in support of registration of Storicide™ II Grain, Bin and Warehouse Insecticide, EPA File Symbol 7501-ENE. The studies were conducted at Product Safety Labs, Dayton, New Jersey with assigned MRID numbers 461408-01 to -06.

**RECOMMENDATIONS:** The six studies have been reviewed and are classified as Acceptable. The acute toxicity profile for Storicide™ II Grain, Bin and Warehouse Insecticide, EPA File Symbol 7501-ENE, is as follows:

Acute oral toxicity	II	Acceptable	MRID 46140801
Acute dermal toxicity	IV	Acceptable	MRID 46140802
Acute inhalation toxicity	III	Acceptable	MRID 46140803
Primary eye irritation	I	Acceptable	MRID 46140804
Primary skin irritation	II	Acceptable	MRID 46140805
Dermal sensitization	Positive	Acceptable	MRID 46140806

**LABELING:** Based on the toxicity profile above, the following are the precautionary and first aid statements for this product as obtained from the Label Review System:

**PRODUCT ID #:** 007501-00202

**PRODUCT NAME:** Storicide™ II Grain, Bin and Warehouse Insecticide

**PRECAUTIONARY STATEMENTS**

**SIGNAL WORD:** DANGER

**SPANISH SIGNAL WORD:** PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

**Hazards to Humans and Domestic Animals:**

Contains Petroleum Distillate.



Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Causes skin irritation. Harmful if inhaled. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Do not get on skin or on clothing. Wear long-sleeved shirt and long pants, socks, chemical-resistant footwear, and chemical-resistant gloves (such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Viton, Barrier Laminate, Viton, Selection Category F, G). If the Selection Category F, G gloves do not provide adequate protection for this product, the registrant should indicate a specific glove category from the EPA chemical resistance glove selection chart that will provide adequate protection. Avoid breathing spray mist.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. When mixing and loading wear a chemical resistant apron.

#### **First Aid:**

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything to an unconscious person.

If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move the person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Note to PM/CRM/Registrant: The proposed label should contain a Note to Physician which addresses the category I Primary Eye Irritant toxicity. The following statements are suggested types of information that may be included, if applicable:

- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.



**NOTE TO PHYSICIAN:** May pose an aspiration pneumonia hazard. Contains petroleum distillate.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

**User Safety Recommendations:**

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.



Reviewer: Rick J. Whiting  
Product Manager (EPA): 07

Date: March 17, 2004

**STUDY TYPE:** Acute Oral Toxicity - Rat; OPPTS 870.1100; OECD 425

**TEST MATERIAL:** Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid)

**CITATION:** Moore, G. (2003) Acute Oral Toxicity Up and Down Procedure in Rats: Storicide II Grain, Bin, and Warehouse Insecticide. Project Number: 14408, P320/UDP. Unpublished study prepared by Product Safety Labs. November 14, 2003. MRID No. 46140801

**SPONSOR:** GUSTAFSON LLC, 1400 Preston Road, Suite 400, Plano, TX 75093

**EXECUTIVE SUMMARY:** In an acute oral toxicity study (MRID 46140801), seven female Sprague-Dawley rats (Age: 9 weeks; Weight: 178-203 g; Source: Ace Animals, Inc. Boyertown, PA) were given a single oral dose of Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid) using the Up and Down Procedure (OECD Guideline 325). "Based on an estimate LD<sub>50</sub> supplied by the Sponsor, (2,800 mg/kg), an initial dose of 890 mg/kg was administered to one healthy female rat by oral gavage. Following the Up and Down procedure, six additional females were tested at dose levels of 89 or 280 mg/kg." Individual animal body weights were recorded prior to dosing and again on Days 7 and 14 after dosing or after death. Clinical signs of toxicity were made during the first several hours post-dosing and at least once daily thereafter for up to 14 days after dosing. A gross necropsy examination was performed on all animals.

Oral LD<sub>50</sub> Females is estimated to be 150.4 mg/kg.

Based on the estimated LD<sub>50</sub> in females, Storicide II Grain, Bin, and Warehouse Insecticide is classified as EPA Toxicity Category II.

The three animals dosed with 89 mg/kg survived the exposure to the test material. All animals gained weight over the 14-day observation period. Clinical signs observed in these animals included hypoactivity, abnormal gait and ano-genital staining. All clinical signs were resolved by Day 2. No gross pathological findings were observed.

The three animals dosed with 280 mg/kg died with four hours of dosing. Clinical signs noted prior to death included hypoactivity and abnormal gait. Gross necropsy revealed discoloration of the intestines.



The one animals dosed with 890 mg/kg died within three hours of dosing. No clinical signs were noted prior to death. Gross necropsy revealed discoloration of the intestines.

This acute oral study is classified as Acceptable. It does satisfy the guideline requirement for an acute oral study (OPPTS 870.1100; OECD 425) in the rat.

**COMPLIANCE:** Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.

#### RESULTS and DISCUSSION:

"Individual animals were dosed as follows:

Main Test				
Dosing Sequence	Animal No.	Dose level (mg/kg)	24 hour Outcome	14 Day Outcome
1	1311	890	D	D
2	1373	280	D	D
3	1385	89	S	S
4	1435	280	D	D
5	1463	89	S	S
6	1540	280	D	D
7	1562	89	S	S

S = survival    D = death

"Based on an estimate LD<sub>50</sub> supplied by the Sponsor, (2,800 mg/kg), an initial dose of 890 mg/kg was administered to one healthy female rat by oral gavage. Following the Up and Down procedure, six additional females were tested at dose levels of 89 or 280 mg/kg."



AOT425statpgm (Version: 1.0) Test Results and Recommendations  
Acute Oral Toxicity (OECD Test Guideline 425) Statistical Program

Date/Time: Tuesday, March 16, 2004, 9:29:05 AM

Data file name: work.dat

Last modified: 3/11/2004 9:58:58 AM

Test/Substance: 7501-ENE Storcide II Grain, Bin and Warehouse Insecticide

Test type: Main Test

Limit dose (mg/kg): 2000

Assumed LD50 (mg/kg): Default

Assumed sigma (mg/kg): 0.5

Recommended dose progression: 2000, 550, 175, 55, 17.5, 5.5, 1.75

DATA:

Test Seq.	Animal ID	Dose (mg/kg)	Short-term Result	Long-term Result
-----------	-----------	--------------	-------------------	------------------

1	1311	890	X	X
2	1373	280	X	X
3	1385	89	O	O
4	1435	280	X	X
5	1463	89	O	O
6	1540	280	X	X
7	1562	89	O	O

---

(X = Died, O = Survived)

Dose Recommendation: The main test is complete.

WARNING:

Please review the data for accuracy.

Starting the Main Test above the likely LD50 will induce bias toward the starting dose. See OECD Guideline 425.

Stopping criteria met: 5 reversals in 6 tests.



SUMMARY OF LONG-TERM RESULTS:

Dose	O	X	Total
89	3	0	3
280	0	3	3
890	0	1	1
All Doses	3	4	7

Statistical Estimate based on long term outcomes:

Estimated LD50 = 150.4 (Based on an assumed sigma of 0.5).  
Approximate 95% confidence interval is 89 to 280.

**Statistics** - Acute Oral Toxicity (Guideline 425) Statistical Program (Westat, version 1.0, May 2001) was used for all data analyses including: dose progression selections, stopping criteria determinations and/or LD<sub>50</sub> and confidence limit calculations.

**A. Mortality** - as noted in table.

**B. Clinical observations** - Clinical signs observed in the three animals dosed with 89 mg/kg included hypoactivity, abnormal gait and ano-genital staining. All clinical signs were resolved by Day 2.

Clinical signs observed prior to death in the three animals dosed with 280 mg/kg included hypoactivity and abnormal gait.

No clinical signs were observed in the one animal dosed with 890 mg/kg.

**C. Gross Necropsy** - No gross necropsy findings were observed in the animals dosed with 89 m/kg. Discoloration of the intestines was observed in the animals dosed with 280 and 890 mg/kg/

**D. Reviewer's Conclusions:** Agree with study authors.

**E. Deficiencies** - None.



Reviewer: Rick J. Whiting  
Product Manager (EPA): 07

Date: March 17, 2004

**STUDY TYPE:** Acute Dermal Toxicity - Rat; OPPTS 870.1200; OECD 402

**TEST MATERIAL:** Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid)

**CITATION:** Moore, G. (2003) Acute Dermal Toxicity Study in Rats - Limit Test: Storicide II Grain, Bin, and Warehouse Insecticide. Project Number: 14409, P322.  
Unpublished study prepared by Product Safety Labs. November 14, 2003. MRID No. 46140802

**SPONSOR:** GUSTAFSON LLC, 1400 Preston Road, Suite 400, Plano, TX 75093

**EXECUTIVE SUMMARY:** In an acute dermal toxicity study (MRID 46140802), five young adult Sprague-Dawley rats/sex (Age: 8-9 weeks; Weight: 250-265 g males; 180-190 g females; Source: Ace Animals, Inc., Boyertown, PA) were dermally exposed to a single application of Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid) at 5000 mg/kg bw for 24 hours. The test material was applied evenly over a dose area of approximately 2 inches x 3 inches (10% of body surface). Individual body weights were recorded prior to test material application and again on Day 7 and 14. Test animals were observed for clinical signs of toxicity and mortality during the first several hours after application and at least once daily thereafter. A gross necropsy examination was performed on all animals at the time of scheduled euthanasia.

Dermal LD<sub>50</sub> Males => 5000 mg/kg bw  
Dermal LD<sub>50</sub> Females => 5000 mg/kg bw  
Dermal LD<sub>50</sub> Combined => 5000 mg/kg bw

Based on the lack of mortality at the limit dose, Storicide II Grain, Bin, and Warehouse Insecticide is classified as EPA Toxicity Category IV.

All animals survived and gained weight during the study. Clinical signs observed included skin irritation (erythema and edema), irregular respiration and reduced fecal volume. Except for the skin irritation which cleared by Day 9, the other clinical signs were resolved by Day 4. No gross pathological findings were observed.

This acute dermal study is classified Acceptable. It does satisfy the guideline requirement for an acute dermal study (OPPTS 870.1200; OECD 402) in the rat.



**COMPLIANCE:** Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.

**RESULTS and DISCUSSION:**

Dose (mg/kg bw)	Mortality/Number Tested		
	Males	Females	Combined
5000	0/5	0/5	0/10

**Statistics** - The dermal LD<sub>50</sub> was calculated using the limit dose.

**A. Mortality** - as noted in table.

**B. Clinical observations** - All animals survived and gained weight during the study. Clinical signs observed included skin irritation (erythema and edema), irregular respiration and reduced fecal volume. Except for the skin irritation which cleared by Day 9, the other clinical signs were resolved by Day 4.

**C. Gross Necropsy** - No gross pathological findings were observed.

**D. Reviewer's Conclusions:** Agree with the study author.

**E. Deficiencies** - None.



Reviewer: Rick J. Whiting  
Product Manager (EPA): 07

Date: March 17, 2004

**STUDY TYPE:** Acute Inhalation Toxicity - Rat; OPPTS 870.1300; OECD 403

**TEST MATERIAL:** Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid)

**CITATION:** Moore, G. (2003) Acute Inhalation Toxicity Study in Rats: Storicide II Grain, Bin, and Warehouse Insecticide. Project Number: 14410, P330. Unpublished study prepared by Product Safety Labs. November 14, 2003. MRID No. 46140803

**SPONSOR:** GUSTAFSON LLC, 1400 Preston Road, Suite 400, Plano, TX 75093

**EXECUTIVE SUMMARY:** In an acute inhalation toxicity study (MRID 46140803), 5/sex of Sprague-Dawley rats (Age: 8-10 weeks; Weight: 261-317 g males; 180-247 females; Source: Ace Animals, Inc. Boyertown, PA) were exposed whole body via the inhalation route to Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid) for up to 4 hours at concentrations of 0.53 and 2.58 mg/L. Individual animal body weights were recorded prior to test material exposure and again on Days 7 and 14 or after death. The animals were observed for clinical signs of toxicity at least every 30 minutes during exposure and at least once daily thereafter for up to 14 days. A gross necropsy examination was performed on all animals.

LC<sub>50</sub> Males and Females > 0.53 mg/L and < 2.58 mg/L

Based on the mortality observed at 2.58 mg/L and the lack of mortality at 0.53 mg/L, Storicide II Grain, Bin, and Warehouse Insecticide is classified as EPA Toxicity Category III.

All animals exposed to 0.53 mg/L survived and gained body weight during the study. Clinical signs observed during exposure included ocular and nasal discharge, abnormal respiration and hunched posture. Clinical signs observed after exposure included irregular respiration, hunched posture, hypoactivity and reduced fecal volume. All animals had recovered from these symptoms by Day 2. No gross pathological findings were observed.

All animals exposed to 2.58 mg/L died before the end of the 4-hour exposure period. Clinical signs observed during exposure included ocular and nasal discharge, abnormal respiration, abnormal posture and hypoactivity. Gross necropsy revealed dark red, edematous lungs.

This acute inhalation study is classified as Acceptable. It does satisfy the guideline requirement for an acute inhalation study (OPPTS 870.1300; OECD 403) in the rat.



**COMPLIANCE:** Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.

**RESULTS and DISCUSSION:**

Nominal Conc. (mg/L)	Actual Conc. (Gravimetric/ Analytical) (mg/L)	MMAD $\mu\text{m}$	GSD $\mu\text{m}$	Mortality/Number Tested		
				Males	Females	Combined
3.53	0.53	2.3	1.80	0/5	0/5	0/10
20.80	2.58	2.5	1.89	5/5	5/5	10/10

**Test Atmosphere / Chamber Description:**

Exposure Level (mg/L)	0.53	2.58
Chamber Volume:	150 L	150 L
Airflow:	45.8 LPM	45.7 LPM
Temperature:	21-22 °C	21-22 °C
Relative Humidity:	48-75%	50-82%
Time to Equilibrium:	15.1 min.	15.1 min.

**Test atmosphere concentration** - From Page 10 of study: Gravimetric samples were withdrawn at five (2.58 mg/L) or six (0.53 mg/L) intervals from the breathing zone of the animals during each exposure.

**Particle size determination** - From Page 10 of study: An eight-stage Andersen impactor was used to assess the particle size distribution of the test atmosphere. Samples were withdrawn from the breathing zone of the animals at two intervals during each exposure.

**A. Mortality** - as noted in table.

**B. Clinical observations** - All animals exposed to 0.53 mg/L survived and gained body weight during the study. Clinical signs observed during exposure included ocular and nasal discharge, abnormal respiration and hunched posture. Clinical signs observed after exposure included irregular respiration, hunched posture, hypoactivity and reduced fecal volume. All animals had recovered from these symptoms by Day 2.



All animals exposed to 2.58 mg/L died before the end of the 4-hour exposure period. Clinical signs observed during exposure included ocular and nasal discharge, abnormal respiration, abnormal posture and hypoactivity.

**C. Gross Necropsy** - No gross pathological findings were observed in animals exposed to 0.53 mg/L.

Gross necropsy revealed dark red, edematous lungs in animals exposed to 2.58 mg/L.

**D. Reviewer's Conclusions**: Agree with study author.

**E. Deficiencies** - None.



**Reviewer:** Rick J. Whiting  
**Product Manager (EPA):** 07

**Date:** March 17, 2004

**STUDY TYPE:** Primary Eye Irritation - Rabbit; OPPTS 870.2400; OECD 405

**TEST MATERIAL:** Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid)

**CITATION:** Moore, G. (2003) Primary Eye Irritation Study in Rabbits: Storicide II Grain, Bin, and Warehouse Insecticide. Project Number: P324, 14411. Unpublished study prepared by Product Safety Labs. November 5, 2003. MRID No. 46140804

**SPONSOR:** GUSTAFSON LLC, 1400 Preston Road, Suite 400, Plano, TX 75093

**EXECUTIVE SUMMARY:** In a primary eye irritation study (MRID 46140804), 0.1 ml of Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid) was instilled into the right eye of three young adult female New Zealand White rabbits (Source: Robinson Services, Inc., Clemmons, NC). The untreated left eye served as a control. The first animal tested exhibited signs of distress immediately following instillation. Subsequently, two drops of ocular anesthetic (Tetracaine Hydrochloride Ophthalmic Solution, 0.5%) were placed into both the treated and control eye of the remaining two animals prior to instillation of the test material. Ocular irritation was evaluated in accordance with Draize et al. (1944) at 1, 24, 48 and 72 hours and at 4, 7, 10, 14 and 21 days post-instillation.

Based on the corneal opacity still observed in one animal at Day 21, Storicide II Grain, Bin, and Warehouse Insecticide is classified as EPA Toxicity Category I.

Corneal opacity (score 1) was observed in all three eyes from 1 hour to Day 17 and in one eye at Day 21. Iritis (score 1) was observed in all three eyes from 1 hour to Day 7 and in two eyes till Day 14. Conjunctival redness (score 3 and 2) was observed in three eyes from 1 hour to Day 14. Conjunctival chemosis (score 3 and 2) was observed in all three eyes from 1 hour to Day 7. Conjunctival discharge (score 3 and 2) was observed in all three eyes from 1 hour to Day 4 and in 2/3 eyes on Day 7. All conjunctival irritation was resolved by Day 17.

This study is classified as Acceptable. It does satisfy the guideline requirement for a primary eye irritation study (OPPTS 870.2400; OECD 405) in the rabbit.

**COMPLIANCE:** Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.



## RESULTS AND DISCUSSION:

Observations	Number "positive"/number tested									
	Hours				Days					
	1	24	48	72	4	7	10	14	17	21
Corneal Opacity	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	1/3
Iritis	3/3	3/3	3/3	3/3	3/3	3/3	2/3	2/3	0/3	0/3
Conjunctivae:										
Redness*	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	0/3	0/3
Chemosis*	3/3	3/3	3/3	3/3	3/3	3/3	0/3	0/3	0/3	0/3
Discharge*	3/3	3/3	3/3	3/3	3/3	2/3	0/3	0/3	0/3	0/3
Severity of Irritation - Mean Score	26.0	39.3	38.0	37.3	34.0	31.3	21.7	19.0	10.3	1.7

\*Score of 2 or more required to be considered "positive."

A. **Observations** - Corneal opacity (score 1) was observed in all three eyes from 1 hour to Day 17 and in one eye at Day 21. Iritis (score 1) was observed in all three eyes from 1 hour to Day 7 and in two eyes till Day 14. Conjunctival redness (score 3 and 2) was observed in three eyes from 1 hour to Day 14. Conjunctival chemosis (score 3 and 2) was observed in all three eyes from 1 hour to Day 7. Conjunctival discharge (score 3 and 2) was observed in all three eyes from 1 hour to Day 4 and in 2/3 eyes on Day 7. All conjunctival irritation was resolved by Day 17.

B. **Reviewer's Conclusions:** Agree with the study author.

C. **Deficiencies** - None.



Reviewer: Rick J. Whiting  
Product Manager (EPA): 07

Date: March 17, 2004

**STUDY TYPE:** Primary Dermal Irritation - Rabbit; OPPTS 870.2500; OECD 404

**TEST MATERIAL:** Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid)

**CITATION:** Moore, G. (2003) Primary Skin Irritation Study in Rabbits: Storicide II Grain, Bin, and Warehouse Insecticide. Project Number: 14412, P326. Unpublished study prepared by Product Safety Labs. November 5, 2003. MRID No. 46140805.

**SPONSOR:** GUSTAFSON LLC, 1400 Preston Road, Suite 400, Plano, TX 75093

**EXECUTIVE SUMMARY:** In a primary dermal irritation study (MRID 46140805), 2 male and 1 female young adult New Zealand White rabbits (Age: Not reported; Source: Davidson's Mill Farm, South Brunswick, NJ) were dermally exposed to 0.5 mL of Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid). The test material was applied to one 6 cm<sup>2</sup> intact dose site on each animal and covered with a 1 inch x inch gauze pad. The pad and entire trunk of each animal were then wrapped with semi-occlusive tape to avoid dislocation of the pad. After 4 hours of exposure to the test material, the pad was removed and the test sites were cleaned of residual test material. Individual dose sites were scored according the Draize (1944) scoring system at approximately 1, 24, 48 and 72 hours and at 7, 10 and 14 days after patch removal.

Based on the moderate to severe erythema (score 3) observed in 3/3 animals and the slight edema (score 2) observed in 3/3 animals at 72 hours, Storicide II Grain, Bin, and Warehouse Insecticide is classified as EPA Toxicity Category IV. PDII is 3.4.

One hour after patch removal, all three sites exhibited very slight erythema (score 1). By 72 hours, moderate to severe erythema (score 3) and slight edema (score 2) was observed. By Day 14, all three sites still exhibited well-defined erythema (score 2). All edema had been resolved by Day 14.

This study is classified as Acceptable. It does satisfy the guideline requirement for a primary dermal irritation study (OPPTS 870.2500; OECD 404) in the rabbit.

**COMPLIANCE:** Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.



## RESULTS and DISCUSSION:

### INDIVIDUAL SKIN IRRITATION SCORES

Animal No.	Sex	ERYTHEMA/EDEMA						
		Hours After Patch Removal				Days		
		1	24	48	72	7	10	14
10430	M	1/0	2/2	2/2	3/2	2/2	2/1	2/0
10431	F	1/0	2/1	2/1	3/2	2/2	2/0	2/0
10432	M	1/0	2/2	2/2	3/2	3/2	2/0	2/0
Severity of Irritation - Mean Score		1.0	2.7	3.7	5.0	4.3	2.3	2.0

**A. Observations** - One hour after patch removal, all three sites exhibited very slight erythema (score 1). By 72 hours, moderate to severe erythema (score 3) and slight edema (score 2) was observed. By Day 14, all three sites still exhibited well-defined erythema (score 2). All edema had been resolved by Day 14.

**B. Results** - PDII = 3.4

**C. Reviewer's Conclusions** - Agree with study author.

**D. Deficiencies** - None.



Reviewer: Rick J. Whiting  
Product Manager (EPA): 07

Date: March 17, 2004

**STUDY TYPE:** Dermal Sensitization - Guinea Pig; OPPTS 870.2600; OECD 406, 429

**TEST MATERIAL:** Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid)

**CITATION:** Moore, G. (2003) Dermal Sensitization Study in Guinea Pigs (Buehler Method): Storicide II Grain, Bin, and Warehouse Insecticide. Project Number: 14413, P328. Unpublished study prepared by Product Safety Labs. November 21, 2003. MRID No. 46140806

**SPONSOR:** GUSTAFSON LLC, 1400 Preston Road, Suite 400, Plano, TX 75093

**EXECUTIVE SUMMARY:** In a dermal sensitization study (MRID 46140806) with Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid), 30 young adult male Hartley albino guinea pigs (Source: Elm Hill Breeding Labs, Chlemsford, MA) were tested using the Buehler method (1980). Once a week for three weeks, 0.4 ml of a 75% w/w mixture of the test material in mineral oil was topically applied to the left side of twenty test animals using an occlusive 24 mm Hill Top Chamber. After the 6-hour exposure period, the chambers were removed and the test sites were cleaned of any residual test material. Twenty-eight days after the first induction dose, a challenge dose of the test material at its highest non-irritating concentration (HNIC, determined to be 25% w/w mixture in mineral oil) was applied to a naive site on each guinea pigs. A naive control group of ten animals was treated with the test substance at challenge only. Approximately 24 and 48 hours after each induction and challenge dose, the animals were scored for erythema. The procedures were validated using alpha-Hexylcinnamaldehyde (HCA) as the positive control substance.

Very faint to moderate erythema (score 0.5-3) was observed at all test sites during the induction phase. Ten of the twenty test animals were observed with faint erythema (score 1) 24 hours following the challenge application while the remaining animals were observed with very faint erythema (score 0.5). At 48 hours, 5 animals were observed with faint erythema and 15 animals were observed with very faint erythema. Very faint erythema (score 0.5) was observed in 2/10 naive control test sites 24 hours following challenge application. Similar irritation was observed at 1 site through 48 hours.

Based on the findings above, Storicide II Grain, Bin, and Warehouse Insecticide is considered a contact sensitizer.

This study is classified as Acceptable. It does satisfy the guideline requirement for a dermal sensitization study (OPPTS 870.2600; OECD 406, 429) in the Guinea pig.



**COMPLIANCE:** Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided.

## **I. PROCEDURE**

**A. Induction** - Once a week for three weeks, 0.4 ml of a 75% w/w mixture of the test material in mineral oil was topically applied to the left side of twenty test animals using an occlusive 24 mm Hill Top Chamber. After the 6-hour exposure period, the chambers were removed and the test sites were cleaned of any residual test material. Approximately 24 and 48 hours after each induction, the animals were scored for erythema.

**B. Challenge** - Twenty-eight days after the first induction dose, a challenge dose of the test material at its highest non-irritating concentration (HNIC, determined to be 25% w/w mixture in mineral oil) was applied to a naive site on each guinea pigs. Approximately 24 and 48 hours after the challenge dose, the animals were scored for erythema.

**C. Naive Controls** - A naive control group of ten animals was treated with the test substance at challenge only. Approximately 24 and 48 hours after the challenge dose, the animals were scored for erythema.

## **II. RESULTS and DISCUSSION:**

**A. Reactions and duration** - Very faint to moderate erythema (score 0.5-3) was observed at all test sites during the induction phase. Ten of the twenty test animals were observed with faint erythema (score 1) 24 hours following the challenge application while the remaining animals were observed with very faint erythema (score 0.5). At 48 hours, 5 animals were observed with faint erythema and 15 animals were observed with very faint erythema. Very faint erythema (score 0.5) was observed in 2/10 naive control test sites 24 hours following challenge application. Similar irritation was observed at 1 site through 48 hours.

**B. Positive control** - Results were appropriate with HCA study to validate test procedures.

**C. Reviewer's Conclusions:** Agree with study author.

**D. Deficiencies** - Initial individual body weights were not collected prior to the study initiation due to a technician oversight (from page 11 of study). Although this information is required by the study protocol, this deviation did not have an impact on the study's conclusion.



## ACUTE TOX ONE-LINERS

1. **DP BARCODE:** D297637
2. **PC CODE:** 059102 Chlorpyrifos-methyl & 097805 Deltamethrin
3. **CURRENT DATE:** March 17, 2004
4. **TEST MATERIAL:** Storicide II Grain, Bin, and Warehouse Insecticide (Chlorpyrifos-methyl: 21.6% w/w; Deltamethrin: 3.7% w/w; Lot No. TAR108:94-1; amber colored, clear free-flowing liquid)

Study/Species/Lab Study # /Date	MRID	Results	Tox. Cat.	Core Grade
Acute oral toxicity / rat Product Safety Laboratories 14408, P320/UDP / 11-14-03	46140801	LD <sub>50</sub> = 150.4 mg/kg (females)	II	A
Acute dermal toxicity / rat Product Safety Laboratories 14409, P322 / 11-14-03	46140802	LD <sub>50</sub> => 5000 mg/kg (males and females)	IV	A
Acute inhalation toxicity / rat Product Safety Laboratories 14410, P330 / 11-14-03	46140803	LC <sub>50</sub> > 0.53 mg/L and < 2.58 mg/L (males and females)	III	A
Primary eye irritation / rabbit Product Safety Laboratories P324, 14411 / 11-05-03	46140804	Corneal opacity observed in 1 animal at Day 21	I	A
Primary dermal irritation / rabbit Product Safety Laboratories 14412, P326 / 11-05-03	46140805	Moderate to severe erythema & slight edema in 3/3 animals at 72 hours	II	A
Dermal sensitization / guinea pig Product Safety Laboratories 14413, P328 / 11-21-03	46140806	Considered to be a contact sensitizer	—	A

**Core Grade Key:** A = Acceptable, S = Supplementary, U = Unacceptable



Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054



308/2E  
May 14, 2003

Gustafson LLC  
1400 Preston Road, Suite 400  
Plano, TX 75093

Attention: Dennis L. McFadden

CHLORPYRIFOS-METHYL  
CHEMICAL CODES: 59102  
APPLICATION FOR STORCIDE II - AUTHORIZATION TO REFERENCE Dow AgroSciences DATA

The enclosed Letter of Authorization has been sent to EPA to allow Gustafson to cite the necessary data, as outlined in the authorization, to submit an application to register the following product containing chlorpyrifos-methyl: STORCIDE II, EPA Reg. No. 7501-xxx.

If you require further information, please contact me at (317) 337-4384 or Amy Hudson, Registration Assistant for chlorpyrifos-methyl, at (317) 337-3967.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Sterett Robertson", with a long horizontal flourish extending to the right.

A. Sterett Robertson  
Registration Manager  
Regulatory Success - Americas  
Fax: (317) 337-4649

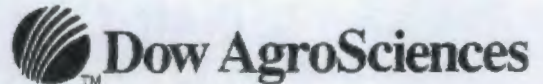
ASR/akh

Enclosures



Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

308/2E  
May 14, 2003



Document Processing Desk  
Office of Pesticide Programs (7504C)  
U. S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Attention: John Hebert (7505C)

CHLORPYRIFOS-METHYL  
CHEMICAL CODE: 59102  
AUTHORIZATION TO REFERENCE Dow AgroSciences DATA

This letter authorizes the EPA to reference any Dow AgroSciences data necessary to support the registration request for a product containing chlorpyrifos-methyl submitted by Gustafson LLC, 1400 Preston Road, Suite 400, Plano, TX 75093. The product is as follows: STORCIDE II, EPA Reg. No. 7501-xxx.

This letter shall not be construed as authorization to use or consider said data, directly or indirectly, in support of any subsequent application submitted by the applicant including, without limitation, applications for new or amended registration. Dow AgroSciences retains ownership of such data and does not release the data for any use not specifically stated herein.

If you have any questions, please feel free to contact me at (317) 337-4384 or Amy Hudson, Registration Assistant for this product, at (317) 337-3967.

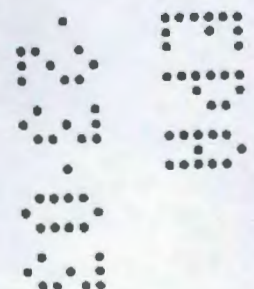
Sincerely,

A handwritten signature in black ink, appearing to read "A. Sterett Robertson", with a long horizontal line extending to the right.

A. Sterett Robertson  
Regulatory Manager  
Regulatory Success - Americas  
(317) 336-4649 FAX

ASR/akh

cc: Gustafson LLC  
Dennis L. McFadden, Manager  
Toxicology and Regulatory Affairs  
1400 Preston Road, Suite 400  
Plano, TX 75093







F/T

B

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

280957

## Application for Pesticide - Section I

1. Company/Product Number 7501-ENE	2. EPA Product Manager A. Abramovitch	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) STORCIDE II Grain, Bin and Warehouse	PM# 04 INS-ROD Br.	
5. Name and Address of Applicant (Include ZIP Code) Insecticide Gustafson LLC 1400 Preston Rd., Suite 400 Plano, TX 75093 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of registration application.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Dennis McFadden		Title Mgr. Tox & Reg Affairs		Telephone No. (Include Area Code) 972-985-8877	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped) ..... ..... .....
2. Signature Dennis McFadden		3. Title Mgr. Tox & Reg Affairs			
4. Typed Name Dennis McFadden		5. Date 5/19/03			





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

280957

## Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name)	PM#	
5. Name and Address of Applicant (Include ZIP Code)  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input checked="" type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container		<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
Certification must be submitted				Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name	Title	Telephone No. (Include Area Code)
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature	3. Title	
4. Typed Name	5. Date	



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.61 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Metrics where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registration that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

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- 1-5. Self-explanatory.
6. EPA Use Only.





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

280957

## Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) FINE	PM#	
5. Name and Address of Applicant (Include ZIP Code)  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

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Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
Certification must be submitted If "Yes" Unit Packaging wgt. _____ No. per container _____		If "Yes" Package wgt. _____ No. per container _____			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

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2. Signature	3. Title	
4. Typed Name	5. Date	



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- 1-5. Self-explanatory.
6. EPA Use Only.





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

 401 M Street, S.W.  
 WASHINGTON, D.C. 20460

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

## Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number

Gustafson LLC, 1400 Preston Rd., Suite 400, Plano, TX 75093

EPA Registration Number/File Symbol

7501-

Active Ingredient(s) and/or representative test compound(s)

Chlorpyrifos-methyl; Deltamethrin

Date

5/15/03

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)

Seed Treatment; Terrestrial Food Use

Product Name

STORCIDE II  
Grain, Bin and Warehouse Insecticide

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).



I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

## SECTION I: METHOD OF DATA SUPPORT (Check one method only)



I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).



I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

## SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]



I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

## SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Dennis McFadden

Date

5/15/03

Typed or Printed Name and Title

Dennis McFadden

Agr. Tox  
Reg. Affairs





United States  
Environmental Protection Agency  
Washington, DC 20460  
**Formulator's Exemption Statement**  
(40 CFR 152.85)

Form Approved, OMB No. 2070-0000. Approval expires 5-31-98.

Applicant's Name and Address

Gustafson LLC  
1400 Preston Rd., Suite 400  
Plano, TX 75093

EPA File Symbol/Registration Number

7501-

Product Name STORCIDE II

Grain, Bin and Warehouse Insecticide

Date of Confidential Statement of Formula (EPA Form 8570-4)

5/14/03

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Chlorpyrifos-methyl  
Delta methrin

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source

Active Ingredient

Product Name

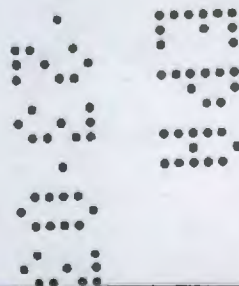
Registration Number

Chlorpyrifos-methyl

Gustafson Reldan 4E  
(45.96% chlorpyrifos-methyl)

7501-41

Deltamethrin



Signature

Dennis McFadden

Name and Title

Dennis McFadden

Mgr. Tox & Reg Affs

Date

5/15/03



**STORCIDE™ II****Grain, Bin and Warehouse Insecticide****ACTIVE INGREDIENTS:**

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .21.60%  
 Deltamethrin .....3.70%

**INERT INGREDIENTS** .....74.7%

**TOTAL** .....100.00%

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.  
 This product contains aromatic hydrocarbon solvents.

EPA Reg. No. 7501-  
 EPA Est.

NET CONTENTS:

KEEP OUT OF REACH OF CHILDREN

**DANGER PELIGRO**

PRECAUTIONARY STATEMENTS  
 HAZARDS TO HUMANS AND  
 DOMESTIC ANIMALS

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive, causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.


**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS:**

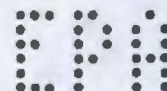
Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

Manufactured for:

**Gustafson** 

Gustafson LLC  
 1400 Preston Rd., Suite 400  
 Plano, TX 75093  
 Questions? (972) 985-8877





**USER SAFETY RECOMMENDATIONS:** Users and persons in treated areas should avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

#### IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL:

**CHEMTREC: (800) 424-9300 (Toll free - US)**

**CHEMTREC: (703) 527-3387 (Domestic and International)**

#### ENVIRONMENTAL HAZARDS

STORCIDE II insecticide is extremely toxic to fish and toxic to birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE II insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

#### PHYSICAL OR CHEMICAL HAZARDS

Combustible -Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All





openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

### PRODUCT INFORMATION

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

STORCIDE II insecticide may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels. Seed treated with STORCIDE II insecticide alone is considered grain.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl. oz. of STORCIDE II insecticide with water to make a 1 gal. solution.\*\* Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

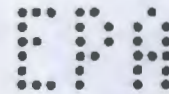
**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE II with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied at oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin:

\* Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

\*\* This concentration equals 0.3% of chlorpyrifos-methyl and 0.05% of deltamethrin.





STORCIDE II PER 1000 BUSHELS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

**USE PRECAUTIONS:**

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

**NOTICE – READ CAREFULLY**

**CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT**

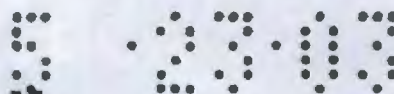
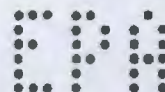
Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

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STORCIDE II is a trademark of Gustafson LLC, Plano, Texas





# STORCIDE™ II

## Grain, Bin and Warehouse Insecticide

### ACTIVE INGREDIENTS:

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .21.60%  
Deltamethrin .....3.70%

INERT INGREDIENTS .....74.7%

TOTAL .....100.00%

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.  
This product contains aromatic hydrocarbon solvents.

EPA Reg. No. 7501-  
EPA Est.

NET CONTENTS:

KEEP OUT OF REACH OF CHILDREN

**DANGER PELIGRO**

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive, causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS:

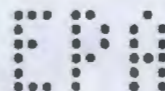
Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

Manufactured for:

**Gustafson**

Gustafson LLC  
1400 Preston Rd., Suite 400  
Plano, TX 75093  
Questions? (972) 985-8877





**USER SAFETY RECOMMENDATIONS:** Users and persons in treated areas should avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. They wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

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#### ENVIRONMENTAL HAZARDS

STORCIDE II insecticide is extremely toxic to fish and toxic to birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE II insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

#### PHYSICAL OR CHEMICAL HAZARDS

Combustible -Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All



openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

### PRODUCT INFORMATION

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

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**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl. oz. of STORCIDE II insecticide with water to make a 1 gal. solution. Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

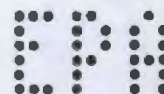
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STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin:

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GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

#### USE PRECAUTIONS:

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

#### NOTICE – READ CAREFULLY

##### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

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STORCIDE II is a trademark of Gustafson LLC, Plano, Texas



**STORCIDE™ II****Grain, Bin and Warehouse Insecticide****ACTIVE INGREDIENTS:**

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .21.60%  
 Deltamethrin .....3.70%

**INERT INGREDIENTS** .....74.7%

**TOTAL** .....100.00%

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.

This product contains aromatic hydrocarbon solvents.

**EPA Reg. No. 7501-**

**EPA Est.**

**NET CONTENTS:**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER PELIGRO**

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Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

Manufactured for:

**Gustafson** 

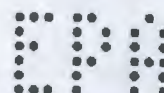
Gustafson LLC

1400 Preston Rd., Suite 400

Plano, TX 75093

Questions? (972) 985-8877





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**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

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Combustible -Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All



openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

### PRODUCT INFORMATION

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

STORCIDE II insecticide may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels. Seed treated with STORCIDE II insecticide alone is considered grain.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl. oz. of STORCIDE II insecticide with water to make a 1 gal. solution.\*\* Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE II with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied at oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin:

\* Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

\*\* This concentration equals 0.3% of chlorpyrifos-methyl and 0.05% of deltamethrin.





STORCIDE II PER 1000 BUSHELS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

**USE PRECAUTIONS:**

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

**NOTICE – READ CAREFULLY**

**CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT**

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

Gustafson (logo) is a Reg. TM of Gustafson LLC, Plano, Texas  
STORCIDE II is a trademark of Gustafson LLC, Plano, Texas





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Date <b>5/13/03</b>		EPA Reg No./File Symbol <b>7501-</b>		Page <b>1</b> of <b>3</b>	
Applicant's/Registrant's Name & Address <b>Gustafson LLC, 1400 Preston Rd., Suite 400, Plano, TX 75093</b>		Product <b>STORCIDE II Grain, Bin and Warehouse Insecticide</b>			
Ingredient <b>Chlorpyrifos-methyl; Deltamethrin</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1	Identity of ingredients		Gustafson		
61-2	Statement of composition		Gustafson		
61-3	Discussion of formation of ingredients		Gustafson		
62-1	Preliminary analysis		N/A		
62-2	Analytical methods for enforcement limits		Gustafson		
63-2	Color		Gustafson		
63-3	Physical state		Gustafson		
63-4	Odor		Gustafson		
63-5	Melting point		NA		
63-6	Boiling point		NA		
63-7	Density, bulk density or specific gravity		Gustafson		
63-8	Solubility		NA		
63-9	Vapor pressure		NA		
63-10	Dissociation constant		NA		
63-11	Octanol/water partition coef.		NA		
Signature <b>Dennis McFadden</b>			Name and Title <b>Dennis McFadden</b> <b>Mgr. Tox &amp; Reg Affairs</b>		Date <b>5/13/03</b>





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Applicant's/Registrant's Name & Address		Product			
Gustafson LLC, 1400 Preston Rd, Suite 400, Plano, TX 75093		STORCIDE II Grain, Bin and Warehouse Insecticide			
Ingredient: Chlorpyrifos-methyl; Deltamethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-12	pH		Gustafson		
63-13	Stability		NA		
63-14	Oxidizing/reducing		NA		
63-15	Flammability		Gustafson		
63-16	Explosibility		NA		
63-17	Storage stability		Per. PR Notice 92-5		
63-18	Viscosity		Gustafson		
63-19	Miscibility		NA		
63-20	Corrosion characteristics		Gustafson		
63-21	Dielectric breakdown voltage		NA		
81-1	Acute oral LD50-rat		Waiver request		
81-2	Acute dermal LD50		Waiver request		
81-3	Acute inhalation LC50		Waiver request		
81-4	Primary eye irritation		Waiver request		
81-5	Primary dermal irritation		Waiver request		
Signature	Dennis McFadden		Name and Title	Mgr. Tox & Reg Affairs	Date
			Dennis McFadden		5/13/03









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Applicant's/Registrant's Name & Address <b>Gustafson LLC, 1400 Preston Rd., Suite 400, Plano, TX 75093</b>			Product <b>STORCIDE II Grain, Bin and Warehouse Insecticide</b>		
Ingredient <b>Chlorpyrifos-methyl; Deltamethrin</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1	Identity of ingredients		Gustafson		
61-2	Statement of composition		Gustafson		
61-3	Discussion of formation of ingredients		Gustafson		
62-1	Preliminary analysis		N/A		
62-2	Analytical methods for enforcement limits		Gustafson		
63-2	Color		Gustafson		
63-3	Physical state		Gustafson		
63-4	Odor		Gustafson		
63-5	Melting point		NA		
63-6	Boiling point		NA		
63-7	Density, bulk density or specific gravity		Gustafson		
63-8	Solubility		NA		
63-9	Vapor pressure		NA		
63-10	Dissociation constant		NA		
63-11	Octanol/water partition coef.		NA		
Signature <b>Dennis McFadden</b>			Name and Title <b>Dennis McFadden</b> <b>Mgr. Tox &amp; Reg Affairs</b>		Date <b>5/13/03</b>





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Ingredient <u>Chlorpyrifos-methyl; Deltamethrin</u>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<u>63-12</u>	<u>pH</u>		<u>Gustafson</u>		
<u>63-13</u>	<u>Stability</u>		<u>NA</u>		
<u>63-14</u>	<u>Oxidizing/reducing</u>		<u>NA</u>		
<u>63-15</u>	<u>Flammability</u>		<u>Gustafson</u>		
<u>63-16</u>	<u>Explodability</u>		<u>NA</u>		
<u>63-17</u>	<u>Storage stability</u>		<u>Per. PR Notice 92-5</u>		
<u>63-18</u>	<u>Viscosity</u>		<u>Gustafson</u>		
<u>63-19</u>	<u>Miscibility</u>		<u>NA</u>		
<u>63-20</u>	<u>Corrosion characteristics</u>		<u>Gustafson</u>		
<u>63-21</u>	<u>Dielectric breakdown voltage</u>		<u>NA</u>		
<u>81-1</u>	<u>Acute oral LD<sub>50</sub>-rat</u>		<u>Waiver request</u>		
<u>81-2</u>	<u>Acute dermal LD<sub>50</sub></u>		<u>Waiver request</u>		
<u>81-3</u>	<u>Acute inhalation LC<sub>50</sub></u>		<u>Waiver request</u>		
<u>81-4</u>	<u>Primary eye irritation</u>		<u>Waiver request</u>		
<u>81-5</u>	<u>Primary dermal irritation</u>		<u>Waiver request</u>		
Signature <u>Dennis McFadden</u>			Name and Title <u>Mgr. Fox &amp; Reg Affairs</u>		Date <u>5/13/03</u>









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Applicant's/Registrant's Name & Address <u>Gustafson LLC, 1400 Preston Rd., Suite 400, Plano, TX 75093</u>			Product <u>STORCIDE II Grain, Bin and Warehouse Insecticide</u>		
Ingredient <u>Chlorpyrifos-methyl; Deltamethrin</u>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>N/A</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>N/A</u>		
			<u>N/A</u>		
<u>N/A</u>					
Signature <u>Dennis McFadden</u>			Name and Title <u>Dennis McFadden</u> <u>Mgr. Tox &amp; Reg Affairs</u>		Date <u>5/13/03</u>





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Ingredient <u>Chlorpyrifos-methyl; Deltamethrin</u>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>N/A</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>Per PR Notice 92-5</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>Waiver request</u>		
			<u>Waiver request</u>		
			<u>Waiver request</u>		
			<u>Waiver request</u>		
			<u>Waiver request</u>		
Signature <u>Dennis McFadden</u>			Name and Title <u>Mgr. Tox &amp; Reg Affairs</u>		Date <u>5/13/03</u>






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Applicant's/Registrant's Name & Address <u>Crustafson LLC, 1400 Preston Rd., Suite 400, Plano, TX 75093</u>		Product <u>STORCIDE II Grain, Bin and Warehouse Insecticide</u>			
Ingredient <u>Chlorpyrifos-methyl; Deltamethrin</u>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			<u>Waiver request</u>		
Signature <u>Dennis McFadden</u>			Name and Title <u>Dennis McFadden</u> <u>Mgr. Tox &amp; Reg. Affairs</u>		Date <u>5/13/03</u>






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Ingredient <u>Chlorpyrifos-methyl; Deltamethrin</u>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>N/A</u>		
			<u>Gustafson</u>		
			<u>N/A</u>		
			<u>N/A</u>		
	<u>N/A</u>				
	<u>N/A</u>				
Signature <u>Dennis McFadden</u>			Name and Title <u>Dennis McFadden</u> <u>Mgr. Tech &amp; Reg Affairs</u>		Date <u>5/13/03</u>





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Ingredient		Chlorpyrifos-methyl; Deltamethrin			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Gustafson		
			N/A		
			N/A		
			Gustafson		
			N/A		
			Per PR Notice 92-5		
			Gustafson		
			N/A		...
			Gustafson		
			N/A		
			Waiver request		...
			Waiver request		...
			Waiver request		...
			Waiver request		...
			Waiver request		...
Signature	Dennis McFadden		Name and Title	Mgr. Tox & Reg Affairs	Date
		Dennis McFadden		5/13/03	






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Ingredient <u>Chlorpyrifos-methyl; Deltamethrin</u>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			<u>Waiver request</u>		
Signature <u>Dennis McFadden</u>			Name and Title <u>Dennis McFadden</u> <u>Mgr. Toxic Reg. Affairs</u>		Date <u>5/13/03</u>



## Waiver Request for Acute Toxicity Studies for STORCIDE II, 7501-

This waiver request is for the following studies:

870.1100	Acute oral toxicity study in rats
870.1200	Acute dermal toxicity study in rats
870.1300	Acute inhalation toxicity study in rats
870.2400	Primary eye irritation study in rabbits
870.2500	Primary skin irritation study in rabbits
870.2600	Dermal sensitization study in guinea pigs

STORCIDE II is similar in formulation to STORCIDE, 7501-181, except cyfluthrin is replaced with Deltamethrin. Both products are to be used as bin and stored grain insecticides.

Attached is a copy of the formulation used to support the registration of STORCIDE. The toxicity studies have the following MRID numbers: 44943602, 44943603, 44943604, 44943605, 44943606, 44943607.

A copy of the most recent STORCIDE and draft STORCIDE II labels are attached.

A copy of the CSF for STORCIDE II is also attached to show the similarity in formulations. The CSF for STORCIDE II uses Reldan 4E as the source of chlorpyrifos-methyl. Reldan 4E also contains [REDACTED] To simplify the comparison of STORCIDE and STORCIDE II in the Table, the Reldan 4E components have been added the other components in the STORCIDE II formulation. The STORCIDE formulation in the Table is the one used for toxicity testing. The current formulation is slightly different.

\*Inert ingredient information may be entitled to confidential treatment\*

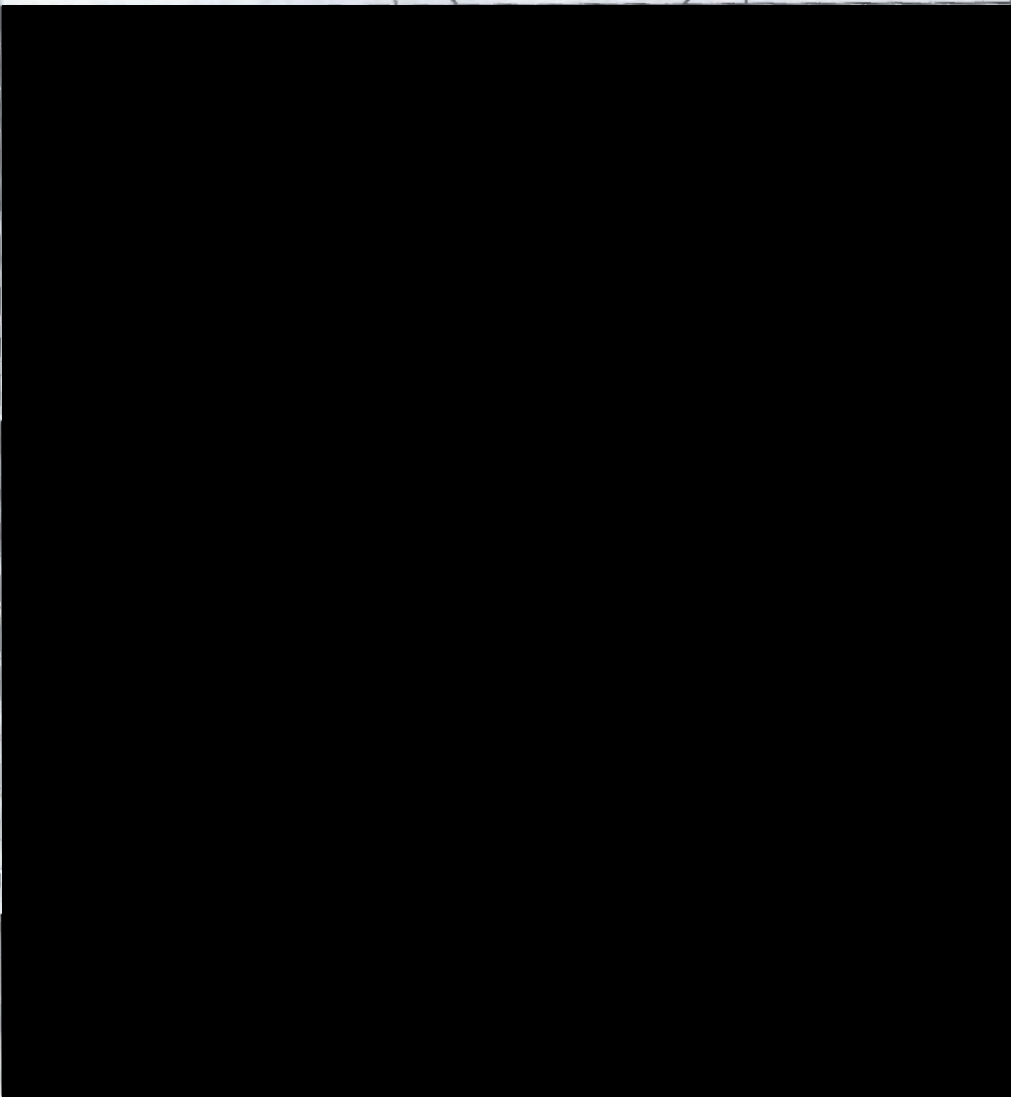
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443



\*Inert ingredient information may be entitled to confidential treatment\*

\*Product ingredient source information may be entitled to confidential treatment\*

	STORCIDE (Tox formulation)	STORCIDE II
		
	100.00	100.00

20.03.9

843



The technical MSDS for cyfluthrin and Deltamethrin show the following acute toxicity data:

	<u>Storcide</u>	<u>Cyfluthrin</u>	<u>Deltamethrin</u>
Acute oral LD50, rat	Male = 147 mg/kg Female = 116 mg/kg	Male = 590 mg/kg Female = 1189 mg/kg	66.7 - 86 mg/kg
Acute dermal LD50, rat	>5050 mg/kg	>5000 mg/kg	>2,000 mg/kg
Acute inhalation LD50, rat	>2.14 mg/L/4 Hr	>2.5 mg/L/4 Hr	>2.22 mg/L/4 Hr
Primary eye, rabbit	Severely irritating	Mild eye irritant	Very slight irritation
Primary skin, rabbit	Slightly irritating	Not a dermal irritant	Non-irritating
Dermal sensitization, guinea pig	Not a sensitizer	Not a sensitizer	Not a sensitizer

STORCIDE II contains 12% less chlorpyrifos-methyl than STORCIDE, no cyfluthrin and 3.7% Deltamethrin and [REDACTED] xylene range solvent. The inert ingredients are similar solvents and surfactants in both formulations. The toxicity data supports a signal word of DANGER. The eye irritation data puts the STOCIDE in Toxicity Category I. We believe STORCIDE II will be in Toxicity Category I also for eye irritation.

Based on the above information, Gustafson is requesting a waiver from the acute toxicity studies for STORCIDE II. Gustafson will label STORCIDE II with the signal word, DANGER and the same precautionary statements and personal protective equipment as STORCIDE.

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043



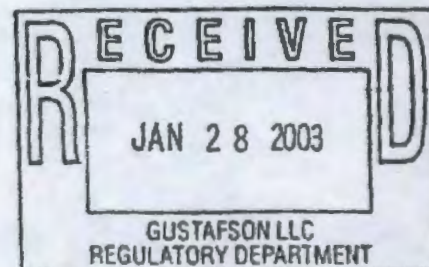
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JAN 8 2003

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dennis McFadden  
Manager of Toxicology and Regulatory Affairs  
Gustafson LLC.  
1400 Preston Road, Suite 400  
Plano, TX, 75093

**Subject:** Label Amendment: Remove color requirement  
Gustafson Storcide E.C..  
EPA Reg. No. 7501-181  
Submission of October 17, 2002, **accepted.**



Dear Dr. McFadden:

The revised labeling referenced to above, submitted in connection with the registration under the Federal Insecticide, fungicide, and Rodenticide Act (FIFRA) as amended, is accepted with the following comment:

A stamped copy "accepted" of the label is enclosed for your records.

Please submit two (2) copies of the final printed label for our records before releasing the product to market. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

Akiva Abramovitch, Ph.D.

Chemist

**Insecticide/Rodenticide Branch  
Registration Division (7505C)**

2002.9

A 5x5 grid of dots forming the number 643. The first row has dots at (1,1), (1,2), (1,4), and (1,5). The second row has dots at (2,1), (2,2), (2,3), (2,4), and (2,5). The third row has dots at (3,1), (3,2), (3,3), (3,4), and (3,5). The fourth row has dots at (4,1), (4,2), (4,3), (4,4), and (4,5). The fifth row has dots at (5,1), (5,2), (5,3), (5,4), and (5,5).



ACCEPTED

JAN 8 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under 7501-181  
EPA Reg. No.

Gustafson

STORCIDE™ E.C.

Grain, Bin and Warehouse Insecticide

## ACTIVE INGREDIENTS:

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .....22.46%

Cyfluthrin (4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)

-2,2-dimethylcyclopropanecarboxylate.....15.06%

INERT INGREDIENTS: .....62.48%

TOTAL: .....100.00%

Contains 1.92 lbs. chlorpyrifos-methyl and 1.28 lbs. of cyfluthrin per gallon.

This product contains aromatic hydrocarbon solvents.

EPA Reg. No. 7501-181

EPA Est.

### KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Additional Precautionary Statements.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER PELIGRO

Corrosive, causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more option, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators apply-

Continued Next Column

ing to empty grain bins must wear. A NIOSH-approved respirator with any N,R,P, or HE filter. See Engineering Controls for additional requirements. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROLS:

Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

#### USER SAFETY RECOMMENDATION:

Users and persons in treated areas should avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

##### If in eyes:

-Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

-Call a poison control center or doctor for treatment advice.

##### If swallowed:

-Immediately call a poison control center or doctor.

-Do not induce vomiting unless told to do so by a poison control center or doctor.

-Do not give any liquid to the person.

-Do not give anything by mouth to an unconscious person.

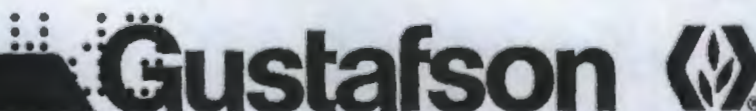
##### If on skin or clothing:

-Take off contaminated clothing.

-Rinse skin immediately with plenty of water for 15 - 20 minutes.

-Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.





## ENVIRONMENTAL HAZARDS

STORCIDE E.C. insecticide is toxic to fish, birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE E.C. insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

## PHYSICAL OR CHEMICAL HAZARDS

Combustible - Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

## PRODUCT INFORMATION:

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from stored grain weevils, moths, beetles and mealworms including granary weevil, rice weevil, red flour beetle, confused flour beetle, saw-toothed grain beetle, Indian meal moth, angoumois grain moth, lesser grain borer, larger grain borer, merchant grain beetle, Mediterranean flour moth, drugstore, cigarette, carpet, larder, hide, warehouse and other dermestid beetles, millipedes and centipedes. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate\* to control existing populations and apply STORCIDE E.C. insecticide for residual protection.

**SEED TREATMENT:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE E.C. insecticide for residual protection.

Labels attached to the treated seed must read: Treated seed should not be used for or mixed with food or animal feed or processed for oil. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess seed by burial away from bodies of water.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.69 fl. oz. of STORCIDE E.C. insecticide with water to make a 1 gal. solution.\* Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\*\* is appropriate when inaccessible areas exist.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE E.C. with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 2 ppm of cyfluthrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied at oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE E.C. insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 2 ppm of cyfluthrin:

STORCIDE PER 1000 BUSHEL			
GRAIN	fl. oz.	ml.	gal. of dilute solution
Wheat	12.0	354.8	5
Barley	9.6	283.9	5
Oats	6.4	189.2	5
Rice	9.0	266.1	5
Sorghum (milo)	11.2	331.2	5

STORCIDE E.C. insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 2 ppm of cyfluthrin on the grain:

STORCIDE PER 100 METRIC TONS			
GRAIN	fl. oz.	ml.	liters of dilute solution
Wheat	44	1301.1	69.4
Barley	44	1301.1	86.7
Oats	44	1301.1	130.1
Rice	44	1301.1	92.5
Sorghum (milo)	44	1301.1	74.4

\*This concentration equals 0.3% of chlorpyrifos-methyl and 0.2% of cyfluthrin.

\*\* Fumigate with EPA-registered fumigant according to



manufacturer's label recommendations.

**USE PRECAUTIONS:**

- Do not make more than one application of STORCIDE E. C. Insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE E. C. Insecticide after the grain has cooled.

**NOTICE - READ CAREFULLY  
CONDITIONS OF SALE AND LIMITED WARRANTY  
STATEMENT**

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson, LLC no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use and store this product in accordance with the safety instructions and use directions contained on the label.

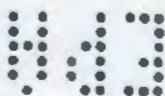
Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty, which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

A quality product manufactured by:  
Gustafson LLC

1400 Preston Road, Suite 400  
Plano, Texas 75093

Questions? (972) 985-8877

STORCIDE is a trademark of Gustafson LLC, Plano, Texas  
Gustafson (logo) is a registered trademark of Gustafson LLC,  
Plano, Texas









# STORCIDE™ II

## Grain, Bin and Warehouse Insecticide

**ACTIVE INGREDIENTS:**

Chlorpyrifos-methyl (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) .21.60%  
 Deltamethrin .....3.70%

**INERT INGREDIENTS** .....74.7%

**TOTAL** .....100.00%

Contains 1.80 lbs. chlorpyrifos-methyl and 0.31 lbs. of deltamethrin per gallon.

This product contains aromatic hydrocarbon solvents.

EPA Reg. No. 7501-  
 EPA Est.

NET CONTENTS:

KEEP OUT OF REACH OF CHILDREN

**DANGER PELIGRO**

PRECAUTIONARY STATEMENTS  
 HAZARDS TO HUMANS AND  
 DOMESTIC ANIMALS

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive, causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs and water supplies.


**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton and protective eye equipment. In addition, applicators applying to empty grain bins must wear: A NIOSH-approved respirator with any N, R, P, or HE filter. See Engineering Controls for additional requirements. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS:**

Handlers applying directly to grain or stored seed must use automated admixture system. The system must apply the pesticide directly to the grain or seed and transfer grain or seed directly into stationary storage facilities.

Manufactured for:

**Gustafson** 

Gustafson LLC

1400 Preston Rd., Suite 400

Plano, TX 75093

Questions? (972) 985-8877



**USER SAFETY RECOMMENDATIONS:** Users and persons in treated areas should avoid inhalation of treated grain dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If swallowed	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

**NOTE TO PHYSICIAN:** Contains petroleum distillate - vomiting may cause aspiration pneumonia. Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

#### IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL:

**CHEMTREC: (800) 424-9300 (Toll free – US)**

**CHEMTREC: (703) 527-3387 (Domestic and International)**

#### ENVIRONMENTAL HAZARDS

STORCIDE II insecticide is extremely toxic to fish and toxic to birds and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge directly or indirectly into surface waters. Do not contaminate water by cleaning of equipment or disposal of wastes.

Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds and seed packaging by burial away from bodies of water.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply STORCIDE II insecticide or allow it to drift onto crops or weeds on which bees are actively foraging.

#### PHYSICAL OR CHEMICAL HAZARDS

Combustible -Do Not Use or Store Near Heat or Open Flame.

Do Not Cut or Weld Container.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Empty grain bin treatment applications are only permitted outside of the bin. Only downward spray is permitted. All



openings, except for the point of application, must be closed during application. This product may only be applied to empty grain bins using high-pressure hand held or automated spray equipment.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

**PRODUCT STORAGE:** Store in a cool, dry location. Do not store in direct sunlight.

### PRODUCT INFORMATION

**STORED GRAIN:** For protection of stored food, feed, and oil grains against injury from adults and accessible stages of stored grain insect pests such as lesser grain borer, larger grain borer, Angoumois grain moth, Indianmeal moth, tobacco moth, dermestids, granary weevil, rice weevil, maize weevil, bean weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

**STORED SEED:** For protection of stored seed against injury from stored grain insects listed above. Seed treatment is limited to seeds with stored grain tolerances, wheat, barley, oats, rice and sorghum (milo). Use rates listed below for seed being stored. For optimum results, thoroughly clean and treat seed storage areas prior to storage of seed. If seed is insect infested, fumigate\* to control existing populations and apply STORCIDE II insecticide for residual protection.

STORCIDE II insecticide may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels. Seed treated with STORCIDE II insecticide alone is considered grain.

**GRAIN, BIN AND WAREHOUSE:** Bin and warehouse applications should only be applied from outside the bin or warehouse. Only downward spray is permitted. All openings, except for the point of application must be closed during applications. This product may only be applied to empty grain bins using automated spray equipment. Do not enter or allow others to enter until sprays have dried. Dilute 1.8 fl. oz. of STORCIDE II insecticide with water to make a 1 gal. solution. Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 1000 sq. ft. prior to storing or handling grain. Application should be made only after equipment bins and buildings have been thoroughly cleaned and are insect free. Empty bin fumigation\* is appropriate when inaccessible areas exist.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute STORCIDE II with water or FDA approved food grade mineral or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain. The final spray volume with water solutions is 5 gallons of liquid per 1000 bu. of grain. Final spray volume with oil solutions should be applied at oil manufacturers' rates. Occasional agitation is needed in water solutions. Constant agitation is necessary in oil solutions.

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the following rate per 1000 bu. to provide treatment with 3 ppm concentrations of chlorpyrifos-methyl and 0.5 ppm of deltamethrin:

\* Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

\*\* This concentration equals 0.3% of chlorpyrifos-methyl and 0.05% of deltamethrin.



STORCIDE II PER 1000 BUSHELS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	12.4	356.7	5
Barley	9.9	292.7	5
Oats	6.6	195.2	5
Rice	9.3	275.0	5
Sorghum (milo)	11.6	343.0	5

STORCIDE II insecticide is to be applied in solution in accordance with the General Directions to stored grains at the rate shown in the table below per 100 metric tons to provide treatment with 3 ppm of chlorpyrifos-methyl and 0.5 ppm of deltamethrin on the grain:

STORCIDE II PER 100 METRIC TONS			
GRAIN	fl.oz.	ml.	gal. of dilute solution
Wheat	45.4	1342.5	69.4
Barley	45.4	1342.5	86.7
Oats	45.4	1342.5	130.1
Rice	45.4	1342.5	92.5
Sorghum (milo)	45.4	1342.5	74.4

#### USE PRECAUTIONS:

- Do not make more than one application of STORCIDE II insecticide to stored grain or seed.
- Avoid application at extremely dusty sites.
- Solution should be used within 48 hours.
- Check spray equipment calibration regularly to ensure proper application rates.
- When drying grain, apply STORCIDE II insecticide after the grain has cooled.

#### NOTICE – READ CAREFULLY

##### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

Gustafson (logo) is a Reg. TM of Gustafson LLC, Plano, Texas  
STORCIDE II is a trademark of Gustafson LLC, Plano, Texas







# Bayer CropScience



May 19, 2003

Dr. Akiva D. Abramovitch, PhD.  
Registration Division (H7505C)  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

**Subject: STORCIDE II: Letter of Authorization for Gustafson LLC**

**Reference: Deltamethrin, New product registration**

Dr. Abramovitch,

BAYER CropScience LP (*formerly Bayer Corporation and Aventis Environmental Science USA which was previously Hoechst Schering AgrEvo*) hereby authorizes the Agency to refer to any research and/or test data including product chemistry data on our active ingredient deltamethrin (one of the active ingredients proposed for STORCIDE II). This product is being submitted by Gustafson LLC, 1400 Preston Rd. Suite 400, Plano, TX 75093 (EPA Company number 7501). We have reviewed the STORCIDE II proposed label and find that it falls within the scope of soon to be approved uses of deltamethrin and support their application. For your reference, Mr. George LaRocca is the registration manager for deltamethrin.

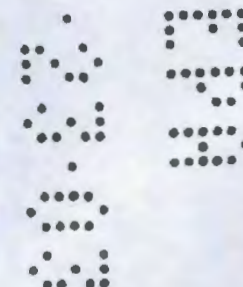
Bayer CropScience  
2 T.W. Alexander Drive  
P.O. Box 12014  
Research Triangle Park, NC 27709  
Phone: 919 549-2000

Please be reminded that, as always, this authorization is only for the above-mentioned uses and products. This authorization may not be transferred by the applicant named above in any manner whatsoever without the express prior consent of Bayer. All information contained in Bayer confidential ingredients statements or otherwise claimed confidential or proprietary may not be released to the applicant without the express prior consent of Bayer. As always, if you have any questions, feel free to call me at (919) 549-2823.

**BAYER CropScience LP**

James L. Kunstman  
Registration Product Manager - Insecticides

**Xc: Mr. Dennis McFadden - Gustafson LLC**







May 15, 2003

Akiva Abramovitch, Ph. D.  
Office of Pesticide Programs  
Document Processing Desk (APPL)  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Subject: STORCIDE II Grain, Bin and Warehouse Insecticide, 7501-

Dear Dr. Abramovitch,

Gustafson LLC is submitting a registration application for the above named product. As part of the application we are requesting waivers from acute toxicity studies since the product is similar to STORCIDE, 7501-181.

Sincerely,



Dennis McFadden

Manager, Toxicology and Regulatory Affairs

